

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>THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN</u>		1b Three-digit plan number (PN) ►
			<u>001</u>
			1c Effective date of plan
			<u>07/11/1969</u>
2a Plan sponsor's name (employer, if for a single-employer plan)	2b Employer Identification Number (EIN)		
Mailing address (include room, apt., suite no. and street, or P.O. Box)	<u>38-0445860</u>		
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)	2c Plan Sponsor's telephone number		
<u>THYSSENKRUPP MATERIALS NA, INC.</u>	<u>248-233-5676</u>		
<u>22355 WEST ELEVEN MILE ROAD</u>	2d Business code (see instructions)		
<u>SOUTHFIELD, MI 48033</u>	<u>423500</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.	<u>09/28/2017</u>	<u>KATHRYN LITTLETON</u>
	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="background-color: #cccccc; 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	5 812
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..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 144 6a(2) 144 6b 169 6c 396 6d 709 6e 54 6f 763 6g 6h 0
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: 1A 3H 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) ☐ 0 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>THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>THYSSENKRUPP MATERIALS NA, INC.</u>	D Employer Identification Number (EIN) <u>38-0445860</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>55275956</u>
b Actuarial value	2b <u>59234390</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment	(1) Number of participants <u>234</u> (2) Vested Funding Target <u>13660586</u> (3) Total Funding Target <u>13660586</u>
b For terminated vested participants	<u>418</u> <u>13693277</u> <u>13693277</u>
c For active participants	<u>160</u> <u>32565426</u> <u>33762967</u>
d Total	<u>812</u> <u>59919289</u> <u>61116830</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>5.86 %</u>
6 Target normal cost	6 <u>2852727</u>

Statement by Enrolled Actuary

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

SIGN HERE		<u>09/21/2017</u>
	Signature of actuary	Date
<u>LAUREN D. PELLERITO</u>	Type or print name of actuary	<u>17-06364</u>
<u>TOWERS WATSON DELAWARE INC.</u>	Firm name	Most recent enrollment number
<u>26555 EVERGREEN RD</u> <u>SOUTHFIELD, MI 48076</u>	Address of the firm	<u>248-936-7700</u>
		Telephone number (including area code)

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)	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	0	0
10	Interest on line 9 using prior year's actual return of <u>-3.63%</u>	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		176
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>6.06%</u>		11
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c	Total available at beginning of current plan year to add to prefunding balance		187
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages			
14	Funding target attainment percentage.....	14	96.91%
15	Adjusted funding target attainment percentage	15	96.91%
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	100.00%
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
09/14/2017	3486453	0			
Totals ►			18(b)	3486453	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	3164250
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

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 style="text-align: center;">1st segment: 4.43%</div> <div style="text-align: center;">2nd segment: 5.91%</div> <div style="text-align: center;">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	63
23	Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute		
Part VI	Miscellaneous Items		
24	Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No		
25	Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No		
26	Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No		
27	If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.	27	
Part VII	Reconciliation of Unpaid Minimum Required Contributions For Prior Years		
28	Unpaid minimum required contributions for all prior years	28	0
29	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30	Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0
Part VIII	Minimum Required Contribution For Current Year		
31	Target normal cost and excess assets (see instructions):		
a	Target normal cost (line 6)	31a	2852727
b	Excess assets, if applicable, but not greater than line 31a	31b	0
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment	1882440	311023
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	0
34	Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	3163750
		Carryover balance	Prefunding balance
35	Balances elected for use to offset funding requirement	0	0
36	Additional cash requirement (line 34 minus line 35)	36	3163750
37	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	3164250
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	500
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	

<div>SCHEDULE C</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Service Provider Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>	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

<div>A</div> <div>Name of plan</div> <div>THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN</div>	<div>B</div> <div>Three-digit plan number (PN)</div> <div>▶</div> <div>001</div>
<div>C</div> <div>Plan sponsor's name as shown on line 2a of Form 5500</div> <div>THYSSENKRUPP MATERIALS NA, INC.</div>	<div>D</div> <div>Employer Identification Number (EIN)</div> <div>38-0445860</div>

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

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

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

TOWERS WATSON DELAWARE INC.

53-0181291

(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	183642	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

NEPC, LLC

04-2927339

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
16 50	NONE	20065	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

BNY MELLON ASSET SERVICING

13-5160382

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 50 59 62 99	NONE	18234	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

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

PLANTE AND MORAN PLLC

38-1357951

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	NONE	15594	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

THYSSENKRUPP NORTH AMERICA, INC

22-2393554

(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?
14 50	EMPLOYER	6579	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
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(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>THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>THYSSENKRUPP MATERIALS NA, INC.</u>	D Employer Identification Number (EIN) <u>38-0445860</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>EQUITY MASTER TRUST UNIT</u>		
b Name of sponsor of entity listed in (a): <u>THYSSENKRUPP NORTH AMERICA, INC.</u>		
c EIN-PN <u>38-2535907-001</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>22997462</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>EXTENDED DURATION MASTER TRUST UNIT</u>		
b Name of sponsor of entity listed in (a): <u>THYSSENKRUPP NORTH AMERICA, INC.</u>		
c EIN-PN <u>38-2535907-003</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>7498108</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>OPPORTUNISTIC MASTER TRUST UNIT</u>		
b Name of sponsor of entity listed in (a): <u>THYSSENKRUPP NORTH AMERICA, INC.</u>		
c EIN-PN <u>38-2535907-004</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>16090096</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>CASH/S.T. BOND MASTER TRUST UNIT</u>		
b Name of sponsor of entity listed in (a): <u>THYSSENKRUPP NORTH AMERICA, INC.</u>		
c EIN-PN <u>38-2535907-005</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>500349</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)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110
		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 THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 THYSSENKRUPP MATERIALS NA, INC.	D Employer Identification Number (EIN) 38-0445860	

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans.....	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	54384935	47086015
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	54384935	47086015

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j	0	12
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	12

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	54384935	47086003
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Part II Income and Expense Statement

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

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	906343	
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)	0	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		906343
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	-61	
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		-61
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		3
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		4386163
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income.....	2c		
d Total income. Add all income amounts in column (b) and enter total.....	2d		5292448

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	11887542	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		11887542
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)	221606	
(2) Contract administrator fees.....	2i(2)	0	
(3) Investment advisory and management fees.....	2i(3)	29494	
(4) Other	2i(4)	452738	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		703838
j Total expenses. Add all expense amounts in column (b) and enter total	2j		12591380

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-7298932
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

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

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

(1) Name: PLANTE AND MORAN PLLC

(2) EIN: 38-1357951

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

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

Part IV Compliance Questions

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

During the plan year:

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.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e Was this plan covered by a fidelity bond?	4e	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i		X	
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			
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 4003836. (See instructions.)

Part V Trust Information

6a Name of trust	6b Trust's EIN
6c Name of trustee or custodian	6d Trustee's or custodian's 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>THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>THYSSENKRUPP MATERIALS NA, INC.</u>	D Employer Identification Number (EIN) <u>38-0445860</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>38-8535907</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>37</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.)
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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.
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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
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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
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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 / / .	

**ThyssenKrupp Materials NA, Inc.
Pension Plan**

**Financial Report
December 31, 2016**

ThyssenKrupp Materials NA, Inc. Pension Plan

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Independent Auditor's Report

To the Plan Administrator
ThyssenKrupp Materials NA, Inc. Pension Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of ThyssenKrupp Materials NA, Inc. Pension Plan (the "Plan"), which comprise the statement of net assets available for benefits - modified cash basis as of December 31, 2016 and 2015 and the related statement of changes in net assets available for benefits - modified cash basis for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the modified cash basis of accounting described in Note 2; this includes determining that the modified cash basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

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

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 (ERISA), the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3, which was certified by The Bank of New York Mellon/BNY Mellon, N.A. (the "Trustee"), except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the Trustee holds the Plan's investment assets and executes related transactions. The plan administrator has obtained certifications from the Trustee as of and for the years ended December 31, 2016 and 2015 that the information provided to the plan administrator by the Trustee is complete and accurate.

To the Plan Administrator
ThyssenKrupp Materials NA, Inc. Pension Plan

Disclaimer of Opinion

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

Basis of Accounting

We draw attention to Note 2 to the financial statements, which describes the basis of accounting. The financial statements are prepared on a modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Report on Form and Content in Compliance with DOL Rules and Regulations

The form and content of the information included in the financial statements, other than that derived from the information certified by the Trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

Plante & Morse, PLLC

Clinton Township, Michigan
September 18, 2017

ThyssenKrupp Materials NA, Inc. Pension Plan

Statement of Net Assets Available for Benefits Modified Cash Basis

	December 31, 2016	December 31, 2015
Assets - Investment in the ThyssenKrupp North America, Inc. Master Trust (Note 5)	\$ 47,086,015	\$ 54,384,935
Liabilities - Other payables	12	-
Net Assets Available for Benefits	\$ 47,086,003	\$ 54,384,935

ThyssenKrupp Materials NA, Inc. Pension Plan

Statement of Changes in Net Assets Available for Benefits Modified Cash Basis

	Year Ended	
	December 31, 2016	December 31, 2015
Additions to Net Assets		
Employer contributions	\$ 906,343	\$ 5,381,421
Investment income (loss):		
Plan's share of the ThyssenKrupp North America, Inc. Master Trust investment income (loss) (Note 5)	4,386,163	(2,121,349)
Other investment loss	(58)	(3)
Total additions	5,292,448	3,260,069
Deductions from Net Assets		
Benefits paid directly to participants or beneficiaries	11,887,542	7,531,726
Administrative expenses	703,838	542,291
Total deductions	12,591,380	8,074,017
Net Decrease	(7,298,932)	(4,813,948)
Net Assets Available for Benefits		
Beginning of year	54,384,935	59,198,883
End of year	<u><u>\$ 47,086,003</u></u>	<u><u>\$ 54,384,935</u></u>

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 1 - Plan Description

The following brief description of ThyssenKrupp Materials NA, Inc. Pension Plan (the "Plan") is provided for general information purposes only. Participants should refer to the plan agreement for a more complete description of the Plan's provisions.

General - The Plan, as amended and restated through January 1, 2015, is a noncontributory defined benefit pension plan sponsored by thyssenkrupp Materials NA, Inc. (the "Company").

All employees of the Company hired prior to January 1, 1997 who are not covered by a collective bargaining agreement are eligible to participate in the Plan. Due to a plan merger in prior years, the Plan also includes separate prior benefit structures for the former salaried and nonunion hourly employees of Copper and Brass Sales. All former salaried and nonunion hourly employees of Copper and Brass Sales employed during 1997 who remained in service as of January 1, 1998 became participants in the Plan as of that date. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Eligibility and Vesting - The Plan is frozen to new participants. Employees became fully vested upon completion of five years of service.

Pension Benefits - Normal retirement is permitted at age 65 with five years of continuous service. The Plan permits early retirement based on certain age and credited service requirements. Monthly benefits are based on an annualized average of the participants' compensation and years of credited service, as described in the plan document. The Plan also contains provisions for disability, deferred vesting, and surviving spouse benefits.

Death Benefits - In certain circumstances, if an active or terminated employee who has a vested interest in the Plan dies prior to his or her normal retirement age, the surviving spouse or designated beneficiary shall receive a survivor benefit, as defined in the Plan.

Funding Policy - Contributions are made by the Company in actuarially determined amounts. The Company's policy is to make contributions necessary to satisfy ERISA funding standards. The Company will also make additional contributions, from time to time, with the total not to exceed the maximum contribution deductible under the Internal Revenue Code (IRC). Annual contributions meet the minimum funding requirements of ERISA.

Note 2 - Summary of Significant Accounting Policies

Basis of Presentation - The accompanying financial statements have been prepared on the modified cash basis of accounting. Under the modified cash basis of accounting, contributions and investment income (loss) are recorded when received, benefit payments and expenses are recorded when paid, and investments are recorded at fair market value.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 2 - Summary of Significant Accounting Policies (Continued)

Investment Valuation - The fair value of the Plan's interest in the ThyssenKrupp North America, Inc. Master Trust (the "Master Trust") is based on the beginning of the year value of the Plan's interest in the investment units held by the Master Trust plus actual contributions and allocated investment income (loss), less actual distributions and allocated administrative expenses.

The common collective trust funds are valued at net asset value per share or its equivalent of the funds, which are based on the fair value of the funds' underlying assets. The government securities and corporate debt securities are valued using quoted market prices and/or other market data for the same or comparable instruments and transactions in establishing the prices, discounted cash flow models, and other pricing models. These models are primarily industry-standard models that consider various assumptions, including time value and yield curve as well as other relevant economic measures. Investments in partnerships are valued at net asset value per share (or its equivalent) of the funds based on audited financial statements of the funds, where available, with adjustments to account for partnership activity and other applicable valuation adjustments. The money market funds and interest-bearing cash are valued at fair value based on their outstanding balances. All other investments are valued based on quoted market prices. See Note 6 for additional information.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

Benefit Payments - Benefits are recorded when paid.

Administrative Expenses - Certain administrative expenses associated with the Plan are paid by the Company. Expenses paid by the Company were approximately \$46,000 and \$51,000 for 2016 and 2015, respectively.

Risks and Uncertainties - Contributions to the Plan and the actuarial present value of accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates, and demographics. Due to the changing nature of these assumptions, it is at least reasonably possible that changes in these assumptions will occur in the near term and, due to the uncertainties inherent in setting assumptions, that the effect of such changes could be material to the financial statements. Investment securities are exposed to various risks, such as interest rate, market, and credit risk. It is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the statement of net assets available for benefits.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 2 - Summary of Significant Accounting Policies (Continued)

Use of Estimates - The preparation of financial statements in conformity with the modified cash basis of accounting requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual results could differ from those estimates.

New Accounting Pronouncements - During 2016, the Plan adopted Accounting Standards Update (ASU) Nos. 2015-07, *Disclosures for Investments in Certain Entities that Calculate Net Asset Value per Share (or its Equivalent)*, and 2015-12, *Plan Accounting: Defined Benefit Pension Plans (Topic 960)*, - I. Fully Benefit-Responsive Investment Contracts, II. Plan Investment Disclosures, and III. Measurement Date Practical Expedient. ASU No. 2015-07 amended ASC 820, *Fair Value Measurements*, and removed the requirement to categorize within the fair value hierarchy all investments for which fair value is measured using the net asset value per share as a practical expedient. Part II of ASU No. 2015-12 was applicable to the Plan and modified the investment disclosures under ASC 820, *Fair Value Measurements*, and ASC 960. The standards were adopted retrospectively and had no impact on the Plan's net assets or changes in net assets.

Upcoming Accounting Pronouncement - In February 2017, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) No. 2017-06, *Plan Accounting: Defined Benefit Pension Plans (Topic 960) - Employee Benefit Plan Master Trust Reporting*. ASU No. 2017-06 amends the master trust disclosure to require additional disclosures related to the Plan's interest in the Master Trust. This ASU is effective for fiscal years beginning after December 15, 2018 and is required to be applied retrospectively for all comparative periods presented. Management does not expect the adoption of this ASU to have a significant impact on the Plan's financial statements.

Subsequent Events - The financial statements and related disclosures include evaluation of events up through September 18, 2017, which is the date the financial statements were available to be issued.

Note 3 - Unaudited Investment Information

The Bank of New York Mellon/BNY Mellon, N.A. (the "Trustee") holds the Master Trust's investments and executes all related investment transactions. The investment balances and related investment results included in the accompanying financial statements, including information summarized in Note 5, are based solely on information provided by the Trustee.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 3 - Unaudited Investment Information (Continued)

Certain assets of the Master Trust are in investment funds managed by The Bank of New York Mellon/BNY Mellon, N.A. or its affiliates. Since The Bank of New York Mellon/BNY Mellon, N.A. is the trustee of the Plan, these transactions qualify as party-in-interest transactions as defined under ERISA guidelines. The market value of these investments was approximately \$68,000,000 and \$66,000,000 at December 31, 2016 and 2015, respectively.

Note 4 - Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits are those future periodic payments, including lump-sum distributions, that are attributable, under the Plan's provisions, to the service employees have rendered to the valuation date. These include benefits expected to be paid to retired or terminated employees or their beneficiaries, beneficiaries of employees who have died, and present employees or their beneficiaries.

The normal individual retirement benefit is calculated based on the participant's years of credited service and an annualized average of the participant's compensation as defined in the plan document.

The actuarial present value of accumulated plan benefits is determined by the independent actuary, Willis Towers Watson, and is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts and interest) and probability of payment (by means of decrements such as for death, disability, withdrawal, and retirement) between the valuation date and the expected date of payment. The valuation was made as of January 1, 2016.

The more significant actuarial assumptions underlying the actuarial computations at January 1, 2016 are as follows:

Actuarial cost method	- Unit credit method
Interest rate	- 7.40 percent
Mortality rates	- RP-2014 white collar mortality rates at 2012, increased by 8.5 percent and based on employee rates for nonannuitants and annuitant rates for those in payment
Retirement	- Based upon a defined table of ages and percentages

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

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 4 - Actuarial Present Value of Accumulated Plan Benefits (Continued)

The actuarial present value of accumulated plan benefits as of January 1, 2016 was as follows:

Actuarial present value of accumulated plan benefits:

Vested benefits:

Participants currently receiving benefit payments	\$ 13,208,155
Other vested participants	<u>41,901,496</u>
Total vested benefits	55,109,651

Nonvested benefits	<u>1,123,053</u>
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Total actuarial present value of accumulated plan benefits	<u>\$ 56,232,704</u>
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The following schedule summarizes the components of net increase in actuarial present value of accumulated plan benefits for the year ended January 1, 2016:

Actuarial present value of accumulated plan benefits - Beginning of year \$ 56,598,736

Increase (decrease) during the year attributable to:

Benefits accumulated including actuarial gains and losses	896,397
Interest due to the decrease in the discount period	4,166,058
Benefits paid	(7,531,726)
Change of assumptions	<u>2,103,239</u>

Net decrease	<u>(366,032)</u>
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Actuarial present value of accumulated plan benefits - End of year \$ 56,232,704

The change in actuarial assumptions relates to the interest discount rate changing from 7.60 percent in 2015 to 7.40 percent in 2016 to better reflect anticipated plan experiences.

Note 5 - Interest in Master Trust

The Plan's investments are in various investment units held by the Master Trust, which was established for the investment of assets of the Plan and several other pension plans sponsored by affiliated participating employers of thyssenkrupp North America, Inc. Each participating retirement plan has an ownership interest in the investment units, which are described below. The assets of the Master Trust are held by the Trustee. Investment income (loss) is allocated to the individual plans based upon the plans' individual ownership of that associated investment unit. Administrative expenses relating to the Master Trust are allocated to the individual plans based upon their share in the net assets of the Master Trust.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

The following table represents the fair value of the investment units held by the Master Trust, including the Plan's ownership interest in each investment unit, at December 31, 2016 and 2015:

Plan's Ownership in Master Trust Investment Units at December 31, 2016

	Master Trust Investment Unit Fair Value	Plan Ownership Interest	Plan Ownership Interest Percentage
Opportunistic Master Trust Unit	\$ 178,084,384	\$ 16,090,096	9 %
Extended Duration Master Trust Unit	42,998,768	7,498,108	18
Cash/S.T. Bond Master Trust Unit	22,704,388	500,349	1
Fixed Income Master Trust Unit	216,005,567	-	0
Equity Master Trust Unit	221,096,387	22,997,462	11
Total	<u>\$ 680,889,494</u>	<u>\$ 47,086,015</u>	7

Plan's Ownership in Master Trust Investment Units at December 31, 2015

	Master Trust Investment Unit Fair Value	Plan Ownership Interest	Plan Ownership Interest Percentage
Opportunistic Master Trust Unit	\$ 204,812,930	\$ 18,778,394	9 %
Extended Duration Master Trust Unit	52,912,052	9,761,042	18
Cash/S.T. Bond Master Trust Unit	26,395,580	256,382	1
Fixed Income Master Trust Unit	241,931,035	-	0
Equity Master Trust Unit	233,697,266	25,589,117	11
Long Duration Investment Master Trust Unit	25	-	0
Total	<u>\$ 759,748,888</u>	<u>\$ 54,384,935</u>	7

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

The following table is a summary, at fair value, of the net assets of the investment units held by the Master Trust at December 31, 2016 and 2015:

	2016	2015
Assets		
Cash - Noninterest bearing:		
Opportunistic Master Trust Unit	\$ 1,550	\$ 8
Extended Duration Master Trust Unit	294,016	139,290
Fixed Income Master Trust Unit	1,323,072	897,048
Equity Master Trust Unit	2,623	2,623
Total cash - Noninterest bearing	1,621,261	1,038,969
Investments - At fair value:		
Interest-bearing cash:		
Extended Duration Master Trust Unit	312,095	173,332
Cash/S.T. Bond Master Trust Unit	8,259,320	6,749,818
Fixed Income Master Trust Unit	4,455,002	1,383,719
Equity Master Trust Unit	374,683	423,388
Long Duration Investment Master Trust Unit	-	25
Total interest-bearing cash	13,401,100	8,730,282
Mutual funds:		
Opportunistic Master Trust Unit	76,533,774	86,317,749
Cash/S.T. Bond Master Trust Unit	14,408,381	19,645,004
Equity Master Trust Unit	20,512,297	17,116,199
Total mutual funds	111,454,452	123,078,952
Common collective trust funds:		
Opportunistic Master Trust Unit	89,292,613	102,744,496
Equity Master Trust Unit	167,031,143	161,793,918
Total common collective trust funds	256,323,756	264,538,414

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

	2016	2015
Assets		
Investments - At fair value (continued):		
Partnerships:		
Opportunistic Master Trust Unit	\$ 12,256,447	\$ 15,750,677
Fixed Income Master Trust Unit	29,137,065	29,556,287
Total partnerships	41,393,512	45,306,964
Fixed-income securities:		
Extended Duration Master Trust Unit	17,339,314	20,033,191
Fixed Income Master Trust Unit	140,095,475	176,579,489
Total fixed-income securities	157,434,789	196,612,680
Fixed-income securities - Loaned:		
Extended Duration Master Trust Unit	24,757,662	32,248,557
Fixed Income Master Trust Unit	37,211,492	26,270,207
Total fixed-income securities - Loaned	61,969,154	58,518,764
Common and preferred stocks:		
Extended Duration Master Trust Unit	162,427	246,453
Fixed Income Master Trust Unit	2,531,475	5,480,665
Equity Master Trust Unit	28,300,682	47,935,950
Total common and preferred stocks	30,994,584	53,663,068
Common and preferred stocks - Loaned -		
Equity Master Trust Unit	4,905,822	6,330,823
Total investments	677,877,169	756,779,947
Collateral held under securities lending agreements:		
Extended Duration Master Trust Unit	25,284,629	32,956,597
Fixed Income Master Trust Unit	38,030,382	26,826,289
Equity Master Trust Unit	5,019,296	6,487,277
Total collateral held under securities lending agreements	68,334,307	66,270,163
Other assets:		
Extended Duration Master Trust Unit	52,203	71,229
Cash/S.T. Bond Master Trust Unit	36,687	758
Fixed Income Master Trust Unit	1,721,387	2,322,726
Equity Master Trust Unit	57,406	73,481
Total other assets	1,867,683	2,468,194
Net receivable for security sales:		
Extended Duration Master Trust Unit	81,051	-
Fixed Income Master Trust Unit	61	93
Equity Master Trust Unit	176,138	78,045
Total net receivable for security sales	257,250	78,138
Total assets	749,957,670	826,635,411

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

	2016	2015
Liabilities		
Obligation under securities lending agreements:		
Extended Duration Master Trust Unit	\$ (25,284,629)	\$ (32,956,597)
Fixed Income Master Trust Unit	(38,030,382)	(26,826,289)
Equity Master Trust Unit	(5,019,296)	(6,487,277)
Total obligation under securities lending agreements	(68,334,307)	(66,270,163)
Unsettled trades:		
Fixed Income Master Trust Unit	(469,462)	(559,199)
Equity Master Trust Unit	(264,407)	(57,161)
Total unsettled trades	(733,869)	(616,360)
Total liabilities	(69,068,176)	(66,886,523)
Net Assets of the Master Trust		
Opportunistic Master Trust Unit	178,084,384	204,812,930
Extended Duration Master Trust Unit	42,998,768	52,912,052
Cash/S.T. Bond Master Trust Unit	22,704,388	26,395,580
Fixed Income Master Trust Unit	216,005,567	241,931,035
Equity Master Trust Unit	221,096,387	233,697,266
Long Duration Investment Master Trust Unit	-	25
Total Net Assets of the Master Trust	\$ 680,889,494	\$ 759,748,888

The investment income (loss) for the investment units held by the Master Trust for the years ended December 31, 2016 and 2015 is as follows:

	2016	2015
Net realized and unrealized gains (losses) in fair value of investments:		
Opportunistic Master Trust Unit	\$ 13,413,508	\$ (13,064,488)
Extended Duration Master Trust Unit	2,397,759	(1,048,676)
Cash/S.T. Bond Master Trust Unit	150,759	(5,004)
Fixed Income Master Trust Unit	15,406,087	(9,755,047)
Equity Master Trust Unit	24,856,420	(11,689,788)
Long Duration Investment Master Trust Unit	-	(16,973,504)
Total net realized and unrealized gains (losses) in fair value of investments	56,224,533	(52,536,507)

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

	2016	2015
Interest and dividends:		
Opportunistic Master Trust Unit	\$ 3,747,891	\$ 4,843,690
Extended Duration Master Trust Unit	302,628	267,224
Cash/S.T. Bond Master Trust Unit	504,811	411,558
Fixed income Master Trust Unit	8,544,863	10,051,941
Equity Master Trust Unit	1,623,893	1,903,724
Long Duration Investment Master Trust Unit	-	3,191,878
Total interest and dividends	14,724,086	20,670,015
Loss on derivative instruments:		
Extended Duration Master Trust Unit	(2,741)	(1,618)
Fixed Income Master Trust Unit	(360,246)	(650,975)
Total loss on derivative instruments	(362,987)	(652,593)
Securities lending income:		
Extended Duration Master Trust Unit	6,880	65,745
Fixed Income Master Trust Unit	86,837	41,421
Equity Master Trust Unit	23,484	24,565
Total securities lending income	117,201	131,731
Net investment income (loss):		
Opportunistic Master Trust Unit	17,161,399	(8,220,799)
Extended Duration Master Trust Unit	2,704,526	(717,326)
Cash/S.T. Bond Master Trust Unit	655,570	406,555
Fixed Income Master Trust Unit	23,677,541	(312,661)
Equity Master Trust Unit	26,503,797	(9,761,498)
Long Duration Investment Master Trust	-	(13,781,625)
Total net investment income (loss)	\$ 70,702,833	\$ (32,387,354)

During 2016, one of the participating plans offered a one-time lump-sum payment to all participants in conjunction with the plan's termination. The transfer out of the Master Trust totaled approximately \$27,062,000. Various other participating plans offered lump-sum buyout windows for certain participants that caused higher benefit payments in 2016, which resulted in decreased assets in the Master Trust.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

Securities Lending - The Master Trust participates in a securities lending program with the Trustee for its U.S. and non-U.S. securities held in custody with the Trustee. The program allows up to \$100,000,000 of the qualified assets to be on loan at any given time. These securities are lent to certain unrelated third-party brokers in exchange for cash and noncash collaterals. U.S. assets and non-U.S. assets on loan are collateralized at 102 percent and 105 percent, respectively, of the assets' market value. Both the collateral and the securities loaned are marked-to-market on a daily basis, with additional collateral obtained or refunded as necessary. In the event that the loaned securities are not returned by the borrower, the bank will, at its own expense, either replace the loaned securities or, if unable to purchase those securities on the open market, credit the plan's accounts with cash equal to the fair value of the loaned securities.

The net assets of the investment units of the Master Trust reflect, as an asset, the collateral received under the securities lending arrangement with an offsetting liability representing the Master Trust's obligation to return the collateral to the borrower. The collateral received from borrowers totaled \$68,334,307 and \$66,270,163 as of December 31, 2016 and 2015, respectively. At December 31, 2016, the entire balance received related to cash collateral, which was invested in a money market account. At December 31, 2015, the balance received consisted of cash collateral received of \$62,939,021, which was invested in a money market fund, and noncash collateral of \$3,331,142. The noncash collateral received primarily consisted of fixed-income securities and letters of credit. In the event that a loaned security is called, the Master Trust will receive the market value of the asset in cash. The market value of loaned securities totaled \$66,874,976 and \$64,849,587 at December 31, 2016 and 2015, respectively.

Derivative Instruments - The Master Trust is party to certain agreements, which are designed to manage exposure interest rate risks. The interest rate instruments are used for the purpose of hedging changes in the fair value of assets that result from interest rate changes, or as an efficient substitute for traditional securities. The notional amount represents the contract amount, not the amount at risk. The notional amount of interest rate instruments was approximately \$14,740,000 and \$16,000,000 at December 31, 2016 and 2015, respectively. Management has elected to present derivative information on a gross basis when subject to master netting arrangements. The estimated fair value of derivative instruments at December 31, 2016 and 2015 is insignificant. For the years ended December 31, 2016 and 2015, a loss of \$362,987 and \$652,593, respectively, attributable to derivative instruments was recognized as investment loss in the statement of changes in net assets available for benefits.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 5 - Interest in Master Trust (Continued)

The investment managers, on behalf of the Master Trust, manage its interest rate and foreign currency risks by limiting exposure to and by monitoring the financial condition of each counterparty. In the unlikely event that a counterparty fails to meet the terms of an interest rate or foreign currency agreement, the Master Trust's risk is limited to the fair value of the instrument.

Note 6 - Fair Value Measurements

Accounting standards require certain assets and liabilities be reported at fair value in the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the inputs and valuation techniques used to measure fair value.

The following tables present information about the Master Trust's assets measured at fair value on a recurring basis at December 31, 2016 and 2015.

Level 1 - Fair values determined by Level 1 inputs use quoted prices in active markets for identical assets that the Master Trust has the ability to access.

Level 2 - Fair values determined by Level 2 inputs use other inputs that are observable, either directly or indirectly. These Level 2 inputs include quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, and inputs other than quoted prices that are observable for the asset.

Level 3 - Level 3 inputs are unobservable inputs, including inputs that are available in situations where there is little, if any, market activity for the related asset. These Level 3 fair value measurements are based primarily on management's own estimates using pricing models, discounted cash flow methodologies, or similar techniques taking into account the characteristics of the asset.

In instances whereby inputs used to measure fair value fall into different levels in the above fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Master Trust's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset.

The Master Trust's policy is to recognize transfers between levels of the fair value hierarchy as of the actual date of the event of change in circumstances that caused the transfer. There were no significant transfers between levels of the fair value hierarchy during 2016 and 2015.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 6 - Fair Value Measurements (Continued)

Master Trust Assets Measured at Fair Value on a Recurring Basis at December 31, 2016

	Investments (at Fair Value)	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)
Mutual funds	\$ 111,454,452	\$ 111,454,452	\$ -
Common stocks	35,900,406	35,900,406	-
Debt securities	219,403,943	88,261,897	131,142,046
Short-term investments:			
Money market fund	68,334,307	-	68,334,307
Interest-bearing cash	13,401,100	-	13,401,100
Total	448,494,208	<u>\$ 235,616,755</u>	<u>\$ 212,877,453</u>
Investments measured at NAV:			
Common collective trust funds	256,323,756		
Partnerships	41,393,512		
Total investments at fair value	<u>\$ 746,211,476</u>		

Master Trust Assets Measured at Fair Value on a Recurring Basis at December 31, 2015

	Investments (at Fair Value)	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)
Mutual funds	\$ 123,078,952	\$ 123,078,952	\$ -
Common stocks	59,993,891	59,993,891	-
Debt securities	258,462,586	105,133,434	153,329,152
Short-term investments:			
Money market fund	62,939,021	-	62,939,021
Interest-bearing cash	8,730,282	-	8,730,282
Total	513,204,732	<u>\$ 288,206,277</u>	<u>\$ 224,998,455</u>
Investments measured at NAV:			
Common collective trust funds	264,538,414		
Partnerships	45,306,964		
Total investments at fair value	<u>\$ 823,050,110</u>		

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 6 - Fair Value Measurements (Continued)

Investments in Entities that Calculate Net Asset Value per Share

The Master Trust holds shares or interests in investment companies at year end whereby the fair value of the investment held is estimated based on the net asset value per share (or its equivalent) of the investment company.

At December 31, 2016 and 2015, the fair value, unfunded commitments, and redemption rules of those investments are as follows:

Investments Held at December 31, 2016

	Fair Value	Unfunded Commitments	Redemption Frequency, if Eligible	Redemption Notice Period (in Business Days)
Common collective trust funds:				
Equity investments (1)	\$ 167,031,143	\$ -	Daily	1-2
Balanced investments (2)	89,292,613	-	Daily - Monthly	3-30
Partnerships:				
GMO Multi-Strategy Fund (Offshore), L.P. (3)	12,256,447	-	Monthly	5
Western Asset Global Multi Strategy, LLC (4)	29,137,065	-	Daily	15
Total	<u>\$ 297,717,268</u>	<u>\$ -</u>		

Investments Held at December 31, 2015

	Fair Value	Unfunded Commitments	Redemption Frequency, if Eligible	Redemption Notice Period (in Business Days)
Common collective trust funds:				
Equity investments (1)	\$ 161,793,918	\$ -	Daily	1
Balanced investments (2)	102,744,496	-	Daily-Monthly	3-30
Partnerships:				
GMO Multi-Strategy Fund (Offshore), L.P. (3)	15,750,677	-	Monthly	5
Western Asset Global Multi- Strategy LLC (4)	29,556,287	-	Daily	15
Total	<u>\$ 309,845,378</u>	<u>\$ -</u>		

(1) This class represents investments in actively managed common collective trust funds that invest primarily in equity securities, which may include common stocks, options, and futures.

(2) This class represents investments in actively managed common collective trust funds with investments in both equity and debt securities. The investments may include common stock, corporate bonds, U.S. and non-U.S. municipal securities, interest rate swaps, options, and futures.

ThyssenKrupp Materials NA, Inc. Pension Plan

Notes to Financial Statements December 31, 2016 and 2015

Note 6 - Fair Value Measurements (Continued)

- (3) GMO Multi-Strategy Fund (Offshore), L.P. invests in various investment funds seeking a variety of investment strategies, including common stock, depository receipts, bonds (including sovereign debt of emerging countries), commodities, currencies, forwards, futures, options, and swap agreements.
- (4) Western Asset Global Multi Strategy, LLC invests primarily in global fixed-income securities in both developed and emerging market countries that are generally rated at least BBB by Standard & Poor's, or equivalent quality

Note 7 - Tax Status

The Plan has received a determination letter from the Internal Revenue Service indicating that the Plan, as designed, is qualified for tax-exempt treatment under the applicable section of the Internal Revenue Code. Accordingly, no provision for income taxes has been made in the accompanying statements.

Note 8 - Plan Termination

Should the Plan terminate at some future time, its net assets generally will not be available on a pro-rata basis to provide participants' benefits. Whether a particular participant's accumulated plan benefits will be paid depends on both the priority of those benefits and the level of benefits guaranteed by the Pension Benefit Guaranty Corporation (PBGC) at that time. Some benefits may be fully or partially provided for by the then-existing assets and the PBGC guaranty, while other benefits may not be provided for at all.

Plan Name	Thyssenkrupp Materials Na, Inc. Pension Plan
Plan Sponsor EIN	38-0445860
ERISA Plan #	001
Plan Year Ending	2016

The required attachment marked with an "X" in the Attachment column is included within the "Signed Schedule MB or Schedule SB" attachment to Schedule SB location which consists of the entire Schedule SB and its attachments.

Form / Schedule	Line#	Description	Attachment Title (if different from Description)	Attach- ment
5500 Sch. SB	None	Statement by Enrolled Actuary	2016 Schedule SB_Statement by Enrolled Actuary_TKMNa	x
5500 Sch. SB	Line 27	Actuarial Information Based on Pre-PPA Funding Rules		
5500 Sch. SB	Line E	Information for Each Individual Employer		
5500 Sch. SB	Line 4	Additional Information for Plans in At-Risk Status		
5500 Sch. SB	Line 7	Explanation of Discrepancy in Prior Year Funding Standard Carryover Balance or Prefunding		
5500 Sch. SB	Line 8	Late Election to Apply Balances to Quarterly Installments		
5500 Sch. SB	Line 9	Explanation of Credit Balance Discrepancy		
5500 Sch. SB	Line 18	Contributions Made to the Plan for the Plan Year		
5500 Sch. SB	Line 19	Discounted Employer Contributions	2016 Schedule SB_Discounted Employer Contributions_TKMNA	x
5500 Sch. SB	Line 20c	Liquidity Requirement Certification		
5500 Sch. SB	Line 22	Description of Weighted Average Retirement Age	2016 Schedule SB Weighted Average Retirement Age_TKMNa	x
5500 Sch. SB	Line 23	Information on Use of Multiple Mortality Tables		
5500 Sch. SB	Line 23	Information on Use of Substitute Mortality Tables		
5500 Sch. SB	Line 23	Statement of Actuarial Assumptions/Methods	2016 Schedule SB_Statement of actuarial assumptions and methods_TKMNa	x
5500 Sch. SB	Part V	Summary of Plan Provisions	2016 Schedule SB Summary of Plan Provisions_TKMNa	x
5500 Sch. SB	Line 24	Change in Actuarial Assumptions		
5500 Sch. SB	Line 25	Change in Method		
5500 Sch. SB	Line 26	Schedule of Active Participant Data	2016 Schedule SB_Schedule of Participant Data_TKMNa	x
5500 Sch. SB	Line 27	Balances Subject to Binding Agreement with PBGC		

5500 Sch. SB	Line 27	Alternative 17-Year Funding Schedule of Airlines		
5500 Sch. SB	Line 32	Schedule of Amortization Bases	2016 Schedule SB_Schedule of Amortization Bases_TKMNa	x
5500 Sch. SB		Other Attachment [Enter Description]		

Plan Name	Thyssenkrupp Materials Na, Inc. Pension Plan
Plan Sponsor EIN	38-0445860
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5500 Sch. SB	Line 20c	Liquidity Requirement Certification		
5500 Sch. SB	Line 22	Description of Weighted Average Retirement Age	2016 Schedule SB Weighted Average Retirement Age_TKMNa	x
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5500 Sch. SB	Line 32	Schedule of Amortization Bases	2016 Schedule SB_Schedule of Amortization Bases_TKMNa	x
5500 Sch. SB		Other Attachment [Enter Description]		

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</small>	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 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 THYSSENKRUPP MATERIALS NA, INC. PENSION PLAN	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">B Three-digit plan number (PN) ►</td> <td style="width: 30%; text-align: center;">001</td> </tr> </table>	B Three-digit plan number (PN) ►	001
B Three-digit plan number (PN) ►	001		
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF THYSSENKRUPP MATERIALS NA, INC.	D Employer Identification Number (EIN) 38-0445860		

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500
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Part I	Basic Information
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1	Enter the valuation date:	Month <u>01</u>	Day <u>01</u>	Year <u>2016</u>	
2	Assets:				
	a Market value.....	2a	55,275,956		
	b Actuarial value.....	2b	59,234,390		
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.....	234	13,660,586	13,660,586	
	b For terminated vested participants.....	418	13,693,277	13,693,277	
	c For active participants.....	160	32,565,426	33,762,967	
	d Total.....	812	59,919,289	61,116,830	
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	5.86%		
6	Target normal cost.....	6	2,852,727		

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>9/21/17</u> Date 1706364
Lauren D. Pellerito Type or print name of actuary TOWERS WATSON DELAWARE INC. Firm name 26555 EVERGREEN RD SOUTHFIELD MI 48076 Address of the firm		Most recent enrollment number 248-936-7700 Telephone number (including area code)

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).....	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year).....	0	0
9 Amount remaining (line 7 minus line 8).....	0	0
10 Interest on line 9 using prior year's actual return of <u>-3.63%</u>	0	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year).....		176
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>6.06%</u>		11
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return.....		0
c Total available at beginning of current plan year to add to prefunding balance.....		187
d Portion of (c) to be added to prefunding balance.....		0
12 Other reductions in balances due to elections or deemed elections.....	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d - line 12).....	0	0

Part III Funding Percentages

14 Funding target attainment percentage.....	14	96.91%
15 Adjusted funding target attainment percentage.....	15	96.91%
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	100.00%
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
09/14/2017	3,486,453	0			
Totals ►			18(b)	3,486,453	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	3,164,250

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 63
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	2,852,727	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	1,882,440	311,023	
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	0	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	3,163,750	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	3,163,750	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	3,164,250	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	500	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

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

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

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V – Summary of Plan Provisions

Plan Provisions

Effective date and most recent amendment As amended effective January 1, 2010.

Covered employees

Steel & Auto

Non-Union employees enter at January 1 after age 21 with 6 months of service.

No employees hired after 1996 are eligible.

Copper & Brass Salaried

Non-Union employees enter after one year of service. No employees hired after 1997 are eligible.

Participation date

Date of becoming a covered employee

Definitions

Credited Service Elapsed-time to next highest month.

Vesting Service Elapsed-time to next highest month.

Social Security Covered Compensation

The average of the Social Security Taxable Wage Base for the 35 year period ending with the last day of the calendar year the employee attains Social Security Retirement Age, based on the Social Security law in effect on the earliest of:

1. The Participant's severance from service date or
2. The Participant's Normal Retirement Date or
3. The date as of which the calculation of an Accrued Benefit is being made.

Plan Compensation

Steel & Auto

Pensionable pay defined as Total Compensation, excluding imputed taxable income and perquisites; "Highest Average

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Compensation” defined as average Compensation over the five consecutive calendar years during which participant was compensated on a salaried basis, which produces the highest average. Compensation for this purpose is W-2 pay, including elective contributions and excluding in-kind payments, perquisites and company contributions to other benefit plans. For accruals between January 1, 1989 and December 31, 1993, compensation limited to \$235,840. For accruals between January 1, 1994 and December 31, 2001, compensation limited to \$150,000 per year, subject to cost-of-living adjustments. For accruals after January 1, 2002, compensation limited to \$200,000 per year, subject to cost-of-living adjustments.

Copper & Brass Salaried

Pensionable pay is base pay, which excludes overtime, bonuses, imputed taxable income and prerequisites (“Base Salary”). Compensation for accruals between January 1, 1994 and December 31, 2001 is limited to \$150,000 per year, subject to cost-of-living adjustments. Compensation for accruals after January 1, 2002 is limited to \$200,000, subject to cost of living adjustments.

For Participants classified as “Outside Sales Personnel” compensation shall mean the Participant’s Total Recognized Compensation (“TRC”). The Participant’s TRC is the Participant’s “Base Salary” plus the Participant’s commissions up to his Maximum Recognized Commissions (“MRC”). The MRC is that portion of the commissions that does not cause the sum of his commissions plus his Base Salary for the current year to exceed his TRC for the previous year. Beginning October 1, 2005, the Participant’s MRC shall be increased each year by two percent (2%) of the Participant’s TRC for the previous year.

Accrued Benefit

Steel & Auto

For Service on or after January 1, 1994:

1.2% of Highest Average Compensation (HAC) up to Covered Compensation (at later of termination or calculation) plus 1.45% of such average in excess thereof, all multiplied by up to 35 years of service (reduced by length of service credited before 1994). HAC is the highest 5 consecutive year average with

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annual compensation limited to \$150,000 (indexed) after 1993 and before 2002; limited to \$200,000 (indexed) after 2001.

For Service between January 1, 1989 and December 31, 1993:

1.2% of HAC up to Covered Compensation (for 1993) plus 1.45% of such average in excess thereof, all multiplied by up to 35 years of service (reduced by length of service credited before 1989). Compensation for all Pre-1994 years for this benefit accrual period is limited to \$235,840.

Note: For purposes of this section, HAC is the highest 5 consecutive year average as of December 31, 1993, with annual compensation limited to \$235,840, multiplied by the ratio (not less than 1) of the highest annual compensation earned after 1993 (limited as in the post 1993 benefit formula) to the 1993 compensation (annualized if partial year of pay) limited to \$235,840.

For Service prior to 1989:

26% of Highest Average Compensation up to Social Security Covered Compensation plus 50% of such average in excess of Social Security Covered Compensation (for 1988), reduced proportionately for less than 25 years projected service at age 65. Such benefit is then prorated based on the ratio of credited service at 12/31/1988 to projected credited service at age 65. (The 25 year amount is only 15 years for participants as of 7/01/1976.)

Note: For purposes of this section, HAC is the highest 5 consecutive year average as of December 31, 1988, multiplied by the ratio (not less than 1) of the highest annual compensation earned in the period from 1989 through 1993, limited to \$235,840, to the 1988 unlimited compensation (annualized if partial year of pay); and then multiplied by the ratio (not less than 1) of the highest annual compensation earned after 1993 (limited as in the post-1993 benefit formula) to the 1993 compensation (annualized if partial year of pay) limited to \$235,840.

Copper & Brass Salaried

Former Salaried Plan Proper:

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1.45% of Compensation earned in each calendar year after 1988, plus benefit accrued as of 12/31/88.

Former FitzSimons Manufacturing Plan:

\$23.00 per month per year of service (effective for terminations on or after September 16, 1995).

Former Big Rapids Tube Division Plan:

\$13.00 per month per year of service (effective for terminations on or after January 1, 1994).

Former Vanguard Plan Benefit:

Participants previously covered for Vanguard plan benefits receive additional amount of 33% of frozen final average pay (highest 60 month average prior to 1984 for salaried employees, or 1990 for hourly employees) prorated for credited service less than 15 years. Such benefit is converted from a 10 year certain and life option to a life only option prior to combining with the regular benefit.

The additional Vanguard Plan benefit is based on service projected to age 65 (limited to 15 years), then prorated based on the ratio of (unlimited) service at termination date to (unlimited) service projected to age 65.

Eligibility for Benefits

Normal or Late Retirement Benefit	Age 65.
Early Retirement Benefit	Age 55 with five years of vesting service; or age 50, provided age plus vesting service is at least 80.
Vested Deferred Benefit	5 years of Vesting Service
Disability Retirement Benefit	At any age or service upon total and permanent disability that has continued for at least 6 months.

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Pre-Retirement Death Benefit After completion of five years of Vesting Service, and married at time of death.

Benefits Paid upon the Following Events

Normal or Late Retirement Benefit Accrued Benefit at Normal or Late Retirement Date

Early Retirement Benefit Accrued Benefit at Early Retirement date multiplied by an early retirement factor due to earlier commencement of payments.

Age	Reduction Factor
65	100%
64	100%
63	100%
62	100%
61	97%
60	94%
59	90%
58	86%
57	82%
56	78%
50 - 55	74%

Copper & Brass Salaried – Pre-January 1, 2004 Terminations

Accrued normal retirement benefit determined as in Accrued Normal Retirement Benefit and reduced by 5/9% for each month that commencement precedes age 62 down to age 55. Actuarially equivalent reduction (based on the normal form of payment) is applied for commencement prior to age 55.

Vested Deferred Benefit Accrued benefit payable at age 65, or reduced for early commencement at any age. Reduction is actuarially equivalent, based on the normal form of payment.

Disability Retirement Benefit Accrued Normal Retirement Benefit, with continuing benefit accruals during the period of disability leave assuming that Compensation remains at the level in effect in the calendar year prior to disability.

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Pre-Retirement Death Benefit 50% of the pension he would have been eligible to receive had the participant retired on the first day of the month in which he died. There is no charge for coverage.

Other Plan Provisions

Normal Form of Payment Non-married Participants: Life Annuity.

Married Participants: Qualified joint and 50% survivor's annuity, without reduction.

Optional Forms

As elected by Participant, actuarially equivalent to normal form including:

- Joint & 50%, 55%, 66-2/3%, 75% or 100% Survivor
- Ten- Year Certain & Life
- Lump Sum

Actuarial equivalence for annuity options is based on a 7.5% interest rate and the 1983 GAM (unisex) table. Lump sum distributions are based on the GATT rate for the December preceding payment, rounded down to the next lowest 0.5%, using the 1983 GAM (unisex) mortality table for lump sums prior to 2003, and the RR2001-62 mortality table beginning in 2003. The lump sum will reflect the normal form of payment. Lump sums for participants eligible for early retirement are based on the accrued benefit reduced for immediate payment, otherwise based on the accrued benefit deferred to age 65.

Future Plan Changes

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

Changes in Benefits Valued Since Prior Year

There have been no changes in benefits valued since the prior year.

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
EIN / PN: 38-0445860 / 001
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2016

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2016

See Appendix A for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
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Valuation Date: January 1, 2016

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 19
Discounted Employer Contributions
as of January 1, 2016

Date	Applicable Plan Year	Contribution	Interest Rate Used to Discount During Timely Contribution Period	Timely Contribution Period	Interest Rate Used to Discount During Late Contribution Period	Late Contribution Period	Interest Adjusted Contribution
9/14/2017	2016	3,486,453	5.86%				3,146,250
Total							3,146,250

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
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SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2016

Type of Base		Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
1	Shortfall	01/01/2016	1,882,440	7	1,882,440	311,023
Total					1,882,440	311,023

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Plan Sponsor: ThyssenKrupp Materials NA, Inc.
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SCHEDULE SB ATTACHMENTS

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

Attained Age	Years of Credited Service																			
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & Over	
	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.
Under 25	0		0		0		0		0		0		0		0		0		0	
25 - 29	0		0		0		0		0		0		0		0		0		0	
30 - 34	0		0		0		0		0		0		0		0		0		0	
35 - 39	0		0		0		0		1		0		0		0		0		0	
40 - 44	0		0		0		0		13		3		1		0		0		0	
45 - 49	0		0		1		0		11		18		2		0		0		0	
50 - 54	0		0		1		0		12		8		11		6		1		0	
55 - 59	0		0		0		0		9		18		7		3		13		0	
60 - 64	0		0		0		0		1		3		7		3		4		0	
65 - 69	0		0		0		0		1		0		1		0		0		0	
70 & Over	0		0		0		0		0		1		0		0		0		0	

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
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 Plan Sponsor: ThyssenKrupp Materials NA, Inc.
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SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	ThyssenKrupp Materials NA, Inc.
EIN/PN	38-0445860/001
Plan Name	ThyssenKrupp Materials NA, Inc. Pension Plan
Valuation Date	January 1, 2016
Enrolled Actuary	Lauren Pellerito
Enrollment Number	17-06364

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

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

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V – Statement of actuarial assumptions and methods

Economic Assumptions

Interest rate basis:

Applicable month	September
Interest rate basis	3-Segment Rates

Interest rates:

	Reflecting Corridors	Not Reflecting Corridors
First segment rate	4.43%	1.34%
Second segment rate	5.91%	4.03%
Third segment rate	6.65%	5.06%
Effective interest rate	6.86%	3.97%

Annual rates of increase

Age graded salary scale as follows:

Compensation

Age	Salary Increases
<35	4.2%
35-39	3.8%
40-44	3.4%
45-49	3.0%
50-54	2.6%
55-59	2.2%
≥60	1.8%

The weighted average salary increase is 3.0%.

Future Social Security wage bases

For purposes of determining target normal cost and the additional funding target for maximum deductible contribution purposes, the National Average Wage Index is assumed to increase by 3.250% per annum.

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
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 Plan Sponsor: ThyssenKrupp Materials NA, Inc.
 Valuation Date: January 1, 2016

SCHEDULE SB ATTACHMENTS

Statutory limits on compensation

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

Administrative expenses

The amount included this year for plan-related expenses is \$698,594. The method for determining administrative expenses remains the three year average of non-PBGC related administrative expenses plus the current year's PBGC premium.

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
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Plan Sponsor: ThyssenKrupp Materials NA, Inc.
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SCHEDULE SB ATTACHMENTS

Demographic Assumptions

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

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

Mortality

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

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

Termination Rates varying by age and gender

Representative Termination Rates

Percentage leaving during the year		
Attained Age	Males	Females
20	0.149	0.250
25	0.099	0.149
30	0.069	0.099
35	0.049	0.069
40	0.028	0.049
45	0.017	0.028

Disability None

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Retirement

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants retire by age and gender are shown below.

Male and Female	
Attained Age	Rates
50-54	3.5%
55-61	3.5%
62	35.0%
63-64	10.0%
65	100.0%

Rates between 50 and 54 apply only to Steel employees with at least 80 points (age plus service). The weighted average retirement age is 63.

Benefit commencement date:

Preretirement death benefit	The later of the death of the active participant or the date the participant would have attained age 55
Deferred vested benefit	Upon termination of employment
Disability benefit	Upon disablement
Retirement benefit	Upon termination of employment

Form of payment

Active participants:

100% of participants are assumed to elect a lump sum.

Deferred vested participants:

50% of participants are assumed to elect a lump sum and 50% of participants are assumed to elect an annuity.

Lump sum payments

Lump sums were valued using a discount rate of 2.70% (average of the index over the past 5 plan years) and Revenue Ruling 2001-62.

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Percent married	For purposes of valuing the pre-retirement surviving spouse's benefit, 80% of eligible participants are assumed to be married.
Spouse age	Male spouses are assumed to be 3 years older than female spouses.
At-risk assumptions	Not applicable
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Methods

Valuation date	First day of plan year
Funding target	Present value of accrued benefits as required by regulations under IRC §430.
Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.
Actuarial value of assets for determining minimum required contributions	<p>Average of the fair market value of assets on the valuation date and the two immediately preceding valuation dates, adjusted for contributions, benefits, administrative expenses and expected earnings (with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the 2014 plan year.)</p> <p>The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets</p>
Benefits not valued	All benefits described in the Plan Provisions section of this report were valued based on discussions with thyssenKrupp Materials NA, Inc. regarding the likelihood that these benefits will be paid. Towers Watson has reviewed the plan provisions with thyssenKrupp Materials NA, Inc. and, based on that review, is not aware of any significant benefits required to be valued that were not.

Plan Name: ThyssenKrupp Materials NA, Inc. Pension Plan
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SCHEDULE SB ATTACHMENTS

Data Sources

Towers Watson used asset data supplied by the trustee. ThyssenKrupp Materials NA, Inc. furnished participant data as of the valuation date. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the company, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Assumptions Rationale - Significant Economic Assumptions

Discount rate	The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Lump sum conversion rate	As required by IRC 430, lump sum benefits are valued using "annuity substitution", adjusted as required to account for the fact that the plan's lump sum conversion rate is based on the 30-year Treasury rate. This adjustment results in an expected lump sum conversion rate of 2.70% based on historical Treasury rates.

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Disabled Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	<p>Termination rates are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by termination patterns different than assumed.</p> <p>Assumed termination rates differ by age gender because of expected differences in termination rates by age and gender.</p>
Retirement	Retirement rates are based on plan sponsor expectations for the future with periodic monitoring of observed gains and losses caused by retirement patterns different than assumed.
Form of payment	The percentage of retiring participants assumed to take lump sums is based on observed experience over recent periods with annual review.

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The percentage of retiring participants assumed to take joint and survivor annuities is based on observed experience over recent periods with annual review.

Percent married

The assumed percentage married is based on a blending of marital statuses of recent retirees and changes expected to occur in marriage patterns of retirement age individuals in the future.

Spouse age

The assumed age difference for spouses is based on general population statistics of the age difference for married individuals of retirement age.

Source of Prescribed Methods

Funding methods

The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are "prescribed methods set by law," as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

Changes in Assumptions and Methods

Change in assumptions since prior valuation

The segment interest rates used to calculate the funding target and target normal cost were updated from an applicable month of September 2014 to September 2015 and reflect the interest rate corridors of HATFA to determine minimum funding requirements and benefit restrictions. However, as required by MAP-21, such rates have not been reflected in Section 2.5: Calculation of estimated maximum deductible contribution.

The required mortality used to calculate the funding target and target normal cost was updated to include one additional year of projected mortality improvements.

The lump sum interest rate was changed from 3.00% to 2.70%.

The assumed plan-related expenses added to the target normal cost was changed from \$530,040 to \$698,594.

For ASC 960 purposes, the discount rate was changed from 7.60% to 7.40%.

Change in methods since prior valuation

None.

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Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2016

Plan Name	Thyssenkrupp Materials Na, Inc. Pension Plan
Plan Sponsor EIN	38-0445860
ERISA Plan #	001
Plan Year Ending	2016

The required attachment marked with an "X" in the Attachment column is included within the "Signed Schedule MB or Schedule SB" attachment to Schedule SB location which consists of the entire Schedule SB and its attachments.

Form / Schedule	Line#	Description	Attachment Title (if different from Description)	Attach- ment
5500 Sch. SB	None	Statement by Enrolled Actuary	2016 Schedule SB_Statement by Enrolled Actuary_TKMNa	x
5500 Sch. SB	Line 27	Actuarial Information Based on Pre-PPA Funding Rules		
5500 Sch. SB	Line E	Information for Each Individual Employer		
5500 Sch. SB	Line 4	Additional Information for Plans in At-Risk Status		
5500 Sch. SB	Line 7	Explanation of Discrepancy in Prior Year Funding Standard Carryover Balance or Prefunding		
5500 Sch. SB	Line 8	Late Election to Apply Balances to Quarterly Installments		
5500 Sch. SB	Line 9	Explanation of Credit Balance Discrepancy		
5500 Sch. SB	Line 18	Contributions Made to the Plan for the Plan Year		
5500 Sch. SB	Line 19	Discounted Employer Contributions	2016 Schedule SB_Discounted Employer Contributions_TKMNA	x
5500 Sch. SB	Line 20c	Liquidity Requirement Certification		
5500 Sch. SB	Line 22	Description of Weighted Average Retirement Age	2016 Schedule SB Weighted Average Retirement Age_TKMNa	x
5500 Sch. SB	Line 23	Information on Use of Multiple Mortality Tables		
5500 Sch. SB	Line 23	Information on Use of Substitute Mortality Tables		
5500 Sch. SB	Line 23	Statement of Actuarial Assumptions/Methods	2016 Schedule SB_Statement of actuarial assumptions and methods_TKMNa	x
5500 Sch. SB	Part V	Summary of Plan Provisions	2016 Schedule SB Summary of Plan Provisions_TKMNa	x
5500 Sch. SB	Line 24	Change in Actuarial Assumptions		
5500 Sch. SB	Line 25	Change in Method		
5500 Sch. SB	Line 26	Schedule of Active Participant Data	2016 Schedule SB_Schedule of Participant Data_TKMNa	x
5500 Sch. SB	Line 27	Balances Subject to Binding Agreement with PBGC		

5500 Sch. SB	Line 27	Alternative 17-Year Funding Schedule of Airlines		
5500 Sch. SB	Line 32	Schedule of Amortization Bases	2016 Schedule SB_Schedule of Amortization Bases_TKMNa	x
5500 Sch. SB		Other Attachment [Enter Description]		

Plan Name	Thyssenkrupp Materials Na, Inc. Pension Plan
Plan Sponsor EIN	38-0445860
ERISA Plan #	001
Plan Year Ending	2016

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