

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089
		2015
		This Form is Open to Public Inspection

Part I	Annual Report Identification Information
For calendar plan year 2015 or fiscal plan year beginning <u>01/01/2015</u> and ending <u>12/31/2015</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); or ☒ 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>COPPER AND BRASS SALES HOURLY-RATED EMPLOYEES RETIREMENT PLAN</u>	1b Three-digit plan number (PN) ▶ <u>002</u> 1c Effective date of plan <u>12/31/1958</u>
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>THYSSENKRUPP MATERIALS NA, INC.</u> <u>22355 WEST ELEVEN MILE ROAD</u> <u>SOUTHFIELD, MI 48033</u>	2b Employer Identification Number (EIN) <u>38-0445860</u> 2c Plan Sponsor's telephone number <u>248-233-5676</u> 2d Business code (see instructions) <u>423990</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	<u>Filed with authorized/valid electronic signature.</u>	<u>10/13/2016</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	5 101
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).	
a(1) Total number of active participants at the beginning of the plan year.....	6a(1) 9
a(2) Total number of active participants at the end of the plan year	6a(2) 9
b Retired or separated participants receiving benefits.....	6b 19
c Other retired or separated participants entitled to future benefits.....	6c 55
d Subtotal. Add lines 6a(2) , 6b , and 6c	6d 83
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.....	6e 13
f Total. Add lines 6d and 6e	6f 96
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....	6g
h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	6h 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: 1B 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) ☐ 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)
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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 2015 Form M-1 annual report. If the plan was not required to file the 2015 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 _____

<div>SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Single-Employer Defined Benefit Plan Actuarial Information</div> <div>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).</div> <div>▶ File as an attachment to Form 5500 or 5500-SF.</div>	<div>OMB No. 1210-0110</div> <div>2015</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015

▶ 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 COPPER AND BRASS SALES HOURLY-RATED EMPLOYEES RETIREMENT PLAN	B Three-digit plan number (PN) ▶ 002
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

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2015			
2 Assets:			
a Market value	2a	3323573	
b Actuarial value	2b	3262234	
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	33	1650928	1650928
b For terminated vested participants	59	1433328	1433328
c For active participants	9	967031	967031
d Total	101	4051287	4051287
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)	☐		
a Funding target disregarding prescribed at-risk assumptions	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5 Effective interest rate	5	6.11%	
6 Target normal cost	6	148079	

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		10/11/2016
Signature of actuary		Date
LAUREN D PELLERITO		14-06364
Type or print name of actuary		Most recent enrollment number
TOWERS WATSON DELAWARE INC.		248-936-7700
Firm name		Telephone number (including area code)
26555 EVERGREEN SUITE 1600 SOUTHFIELD, MI 48076		
Address of the firm		

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

Part II Beginning of Year Carryover 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>6.67</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)		0
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>6.38</u> %		0
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.....		0
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	80.52 %
15	Adjusted funding target attainment percentage	15	80.52 %
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	86.90 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.....	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
04/14/2015	135056	0			
07/14/2015	135056	0			
10/14/2015	135056	0			
01/14/2016	135056	0			
03/24/2016	142617	0			
			Totals ►	18(b)	682841
				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	652104
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
0	0	0
		(4) 4th
		0

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

21 Discount rate:				
a Segment rates:	1st segment: 4.72 %	2nd segment: 6.11 %	3rd segment: 6.81 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 4
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute				

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	148079	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	789053	503894	
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	651973	
	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	651973	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	652104	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	131	
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</div> <div>Internal Revenue Service</div> <div>Department of Labor</div> <div>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
		2015
		This Form is Open to Public Inspection.

For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015		
<div>A</div> Name of plan COPPER AND BRASS SALES HOURLY-RATED EMPLOYEES RETIREMENT PLAN	<div>B</div> Three-digit plan number (PN) ▶	002
<div>C</div> Plan sponsor's name as shown on line 2a of Form 5500 THYSSENKRUPP MATERIALS NA, INC.	<div>D</div> Employer Identification Number (EIN) 38-0445860	

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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-----	---

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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	39475	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(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	9478	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

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

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

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

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

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

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

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

Part I Service Provider Information (continued)

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

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

Part II Service Providers Who Fail or Refuse to Provide Information

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

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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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 2015 This Form is Open to Public Inspection.
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For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015

A Name of plan <u>COPPER AND BRASS SALES HOURLY-RATED EMPLOYEES RETIREMENT PLAN</u>	B Three-digit plan number (PN) ►	<u>002</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>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: EQUITY MASTER TRUST UNIT

b Name of sponsor of entity listed in (a): THYSSENKRUPP NORTH AMERICA, INC.

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>1422220</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: EXTENDED DURATION MASTER TRUST UNIT

b Name of sponsor of entity listed in (a): THYSSENKRUPP NORTH AMERICA, INC.

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>570925</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: OPPORTUNISTIC MASTER TRUST UNIT

b Name of sponsor of entity listed in (a): THYSSENKRUPP NORTH AMERICA, INC.

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>1058507</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: CASH/S.T. BOND MASTER TRUST UNIT

b Name of sponsor of entity listed in (a): THYSSENKRUPP NORTH AMERICA, INC.

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>69439</u>
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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)
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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)
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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)
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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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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 2015 This Form is Open to Public Inspection
For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015		
A Name of plan COPPER AND BRASS SALES HOURLY-RATED EMPLOYEES RETIREMENT PLAN	B Three-digit plan number (PN) ►	002
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		(a) Beginning of Year	(b) End of Year
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 Total noninterest-bearing cash	1a			
b Receivables (less allowance for doubtful accounts):				
(1) Employer contributions	1b(1)			
(2) Participant contributions	1b(2)			
(3) Other.....	1b(3)			
c General investments:				
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)			
(2) U.S. Government securities.....	1c(2)			
(3) Corporate debt instruments (other than employer securities):				
(A) Preferred	1c(3)(A)			
(B) All other.....	1c(3)(B)			
(4) Corporate stocks (other than employer securities):				
(A) Preferred	1c(4)(A)			
(B) Common	1c(4)(B)			
(5) Partnership/joint venture interests	1c(5)			
(6) Real estate (other than employer real property)	1c(6)			
(7) Loans (other than to participants)	1c(7)			
(8) Participant loans	1c(8)			
(9) Value of interest in common/collective trusts.....	1c(9)			
(10) Value of interest in pooled separate accounts.....	1c(10)			
(11) Value of interest in master trust investment accounts	1c(11)	3164270	3121091	
(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	3164270	3121091

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	3164270	3121091
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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 Contributions:**

		(a) Amount	(b) Total
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	565157	
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		565157

b Earnings on investments:**(1) Interest:**

(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		0

(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)		
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(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)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		-110457
(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		454700

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	400642	
(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)		400642
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)	50014	
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)	3186	
(4) Other	2i(4)	44037	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		97237
j Total expenses. Add all expense amounts in column (b) and enter total	2j		497879

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-43179
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:

	Yes	No	N/A	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? 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	N/A	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.)		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.)		X		
e Was this plan covered by a fidelity bond?	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?		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?		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?		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.)		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.)		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?		X		
l Has the plan failed to provide any benefit when due under the plan?		X		
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)				
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.				
o Did the plan trust incur unrelated business taxable income?				
p Were in-service distributions made during the plan year?				

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

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 section 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2015 This Form is Open to Public Inspection.
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For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015

A Name of plan <u>COPPER AND BRASS SALES HOURLY-RATED EMPLOYEES RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>002</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>38-2535907</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>8</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 and OMB Control Numbers, see the instructions for Form 5500.

Schedule R (Form 5500) 2015
v. 150123

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?	☐ Yes	☐ No
20b If "Yes," how does the 401(k) plan satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under sections 401(k)(3) and 401(m)(2)?	☐ Design-based safe harbor method	☐ ADP/ACP test
20c If the ADP/ACP test is used, did the 401(k) plan perform ADP/ACP testing for the plan year using the "current year testing method" for nonhighly compensated employees (Treas. Reg sections 1.401(k)-2(a)(2)(ii) and 1.401(m)-2(a)(2)(ii))?	☐ Yes	☐ No
21a Check the box to indicate the method used by the plan to satisfy the coverage requirements under section 410(b):	☐ Ratio percentage test	☐ Average benefit test
21b Does the plan satisfy the coverage and nondiscrimination tests of sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules?	☐ Yes	☐ No
22a Has the plan been timely amended for all required tax law changes?	☐ Yes	☐ No ☐ N/A
22b Date the last plan amendment/restatement for the required tax law changes was adopted ____/____/____. Enter the applicable code _____. (See instructions for tax law changes and codes).		
22c If the plan sponsor is an adopter of a pre-approved master and prototype (M&P) or volume submitter plan that is subject to a favorable IRS opinion or advisory letter, enter the date of that favorable letter ____/____/____ and the letter's serial number _____.		
22d If the plan is an individually-designed plan and received a favorable determination letter from the IRS, enter the date of the plan's last favorable determination letter ____/____/____.		
23 Is the Plan maintained in a U.S. territory (i.e., Puerto Rico (if no election under ERISA section 1022(i)(2) has been made), American Samoa, Guam, the Commonwealth of the Northern Mariana Islands or the U.S. Virgin Islands)?	☐ Yes	☐ No

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

**Financial Report
December 31, 2015**

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

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Independent Auditor's Report

To the Plan Administrator
Copper and Brass Sales Hourly-Rated
Employees Retirement Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Copper and Brass Sales Hourly-Rated Employees Retirement Plan (the "Plan"), which comprise the statement of net assets available for benefits - modified cash basis as of December 31, 2015 and 2014 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, 2015 and 2014 that the information provided to the plan administrator by the Trustee is complete and accurate.

To the Plan Administrator
Copper and Brass Sales Hourly-Rated
Employees Retirement 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 & Moran, PLLC

Clinton Township, Michigan
October 10, 2016

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Statement of Net Assets Available for Benefits Modified Cash Basis

	December 31, 2015	December 31, 2014
Net Assets Available for Benefits - Investment in the ThyssenKrupp North America, Inc. Master Trust (Note 5)	\$ 3,121,091	\$ 3,164,270

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

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

	Year Ended	
	December 31, 2015	December 31, 2014
Additions to Net Assets		
Employer contributions	\$ 565,157	\$ 695,931
Investment (loss) income - Plan's share of the ThyssenKrupp North America, Inc. Master Trust investment (loss) income (Note 5)	(110,457)	252,174
Total additions	454,700	948,105
Deductions from Net Assets		
Benefits paid directly to participants or beneficiaries	400,642	2,131,625
Administrative expenses	97,237	102,821
Total deductions	497,879	2,234,446
Net Decrease	(43,179)	(1,286,341)
Net Assets Available for Benefits		
Beginning of year	3,164,270	4,450,611
End of year	<u>\$ 3,121,091</u>	<u>\$ 3,164,270</u>

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 1 - Plan Description

The following brief description of Copper and Brass Sales Hourly-Rated Employees Retirement 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 is a noncontributory defined benefit pension plan covering collectively bargained employees of Copper and Brass Sales, a division of the plan sponsor, thyssenkrupp Materials NA, Inc. (the "Company").

Each hourly employee of the Company covered by a collective bargaining agreement is eligible to participate in the Plan immediately upon hire by the Company or any of its domestic subsidiaries or affiliates that have adopted the Plan, provided the employee performed an hour of service prior to the date the Plan was frozen. The Plan was frozen on June 19, 1998 for all members of the International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America, Local No. 337; September 1, 1998 for all members of the General Teamsters Union, Local No. 406; November 1, 1999 for all members of the International Association of Machinists, Aero Space Workers, AFL-CIO, District No. 54; and April 16, 2000 for all members of the Machinery, Scrap Iron, Metal & Steel Chauffeurs, Warehousemen, Handlers, Alloy Fabricators, Theatrical, Exposition, Convention, and Trade Show Employees Union, Local No. 714, I.B. of T., C., W. and H. of A. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Eligibility and Vesting - As previously discussed, the Plan is frozen to new participants. Employees became fully vested upon completion of five years of service. As of January 1, 2013, all participants were fully vested.

Pension Benefits - Normal retirement is permitted at age 65 with five years of continuous service. The Plan permits early retirement at ages ranging from 55 to 64. Monthly benefits are based on a participant's years of credited service multiplied by a monthly pension benefit, as described in the plan agreement. 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.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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.

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 \$23,000 and \$16,000 for 2015 and 2014, respectively.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 2 - Summary of Significant Accounting Policies (Continued)

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.

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.

Upcoming Accounting Pronouncement - During 2015, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) No. 2015-12, *Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), and Health and Welfare Benefit Plans (Topic 965) - I. Fully Benefit-Responsive Investment Contracts, II. Plan Investment Disclosures, and III. Measurement Date Practical Expedient*. The standard is effective for fiscal years beginning after December 15, 2015. Management has determined that the impact upon adoption of the new standard on the Plan's financial statements would be immaterial.

Subsequent Events - The financial statements and related disclosures include evaluation of events up through and including October 10, 2016, 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.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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 \$66,000,000 and \$91,000,000 at December 31, 2015 and 2014, 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 equal to the participant's years of credited service multiplied by a monthly pension benefit in effect when the years of credited service were earned.

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, 2015.

The more significant actuarial assumptions underlying the actuarial computations at January 1, 2015 are as follows:

Actuarial cost method	- Unit credit method
Interest rate	- 7.60 percent
Mortality rates	- RP-2014 blue collar mortality rates at 2011, increased by 10.9 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.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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

The actuarial present value of accumulated plan benefits as of January 1, 2015 was as follows:

Actuarial present value of accumulated plan benefits -

Vested benefits:

Participants currently receiving benefit payments	\$ 1,475,559
Other vested participants	<u>1,864,321</u>

Total actuarial present value of accumulated plan benefits	<u>\$ 3,339,880</u>
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The following schedule summarizes the components of net decrease in actuarial present value of accumulated plan benefits for the year ended January 1, 2015:

Actuarial present value of accumulated plan benefits -

Beginning of year	\$ 4,003,941
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Increase (decrease) during the year attributable to:

Benefits accumulated including actuarial gains and losses	1,106,105
Interest due to the decrease in the discount period	239,536
Benefits paid	(2,131,625)
Change of assumptions	<u>121,923</u>

Net decrease	<u>(664,061)</u>
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Actuarial present value of accumulated plan benefits - End of year	<u>\$ 3,339,880</u>
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The following are significant changes to the actuarial assumptions:

The interest discount rate was changed from 8.10 percent in 2014 to 7.60 percent in 2015 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.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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, 2015 and 2014:

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	\$ 1,058,507	1 %
Extended Duration Master Trust Unit	52,912,052	570,925	1
Cash/S.T. Bond Master Trust Unit	26,395,580	69,439	0
Fixed Income Master Trust Unit	241,931,035	-	0
Equity Master Trust Unit	233,697,266	1,422,220	1
Long Duration Investment Master Trust Unit	25	-	0
Total	<u>\$ 759,748,888</u>	<u>\$ 3,121,091</u>	-

Plan's Ownership in Master Trust Investment Units at December 31, 2014

	Master Trust Investment Unit Fair Value	Plan Ownership Interest	Plan Ownership Interest Percentage
Opportunistic Master Trust Unit	\$ 239,451,539	\$ 1,040,772	0 %
Extended Duration Master Trust Unit	79,108,905	538,809	1
Cash/S.T. Bond Master Trust Unit	27,934,653	100,473	0
Fixed Income Master Trust Unit	445,270,616	-	0
Equity Master Trust Unit	272,584,571	1,484,216	1
Total	<u>\$ 1,064,350,284</u>	<u>\$ 3,164,270</u>	-

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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, 2015 and 2014:

	2015	2014
Assets		
Cash - Noninterest bearing:		
Opportunistic Master Trust Unit	\$ 8	\$ 9
Extended Duration Master Trust Unit	139,290	510,923
Cash/S.T. Bond Master Trust Unit	-	638
Fixed Income Master Trust Unit	897,048	436,448
Equity Master Trust Unit	2,623	17
Total cash - Noninterest bearing	1,038,969	948,035
Investments - At fair value:		
Interest-bearing cash:		
Extended Duration Master Trust Unit	173,332	280,793
Cash/S.T. Bond Master Trust Unit	6,749,818	941,751
Fixed Income Master Trust Unit	1,383,719	3,198,553
Equity Master Trust Unit	423,388	579,879
Long Duration Investment Master Trust Unit	25	-
Total interest-bearing cash	8,730,282	5,000,976
Mutual funds:		
Opportunistic Master Trust Unit	86,317,749	133,958,562
Cash/S.T. Bond Master Trust Unit	19,645,004	26,992,235
Equity Master Trust Unit	17,116,199	21,071,972
Total mutual funds	123,078,952	182,022,769
Common collective trust funds:		
Opportunistic Master Trust Unit	102,744,496	80,853,138
Equity Master Trust Unit	161,793,918	187,047,230
Total common collective trust funds	264,538,414	267,900,368

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 5 - Interest in Master Trust (Continued)

	2015	2014
Assets		
Investments - At fair value (continued):		
Partnerships:		
Opportunistic Master Trust Unit	\$ 15,750,677	\$ 24,639,830
Fixed Income Master Trust Unit	29,556,287	55,533,468
Total partnerships	45,306,964	80,173,298
Fixed-income securities:		
Extended Duration Master Trust Unit	20,033,191	30,738,324
Fixed Income Master Trust Unit	176,579,489	339,477,452
Total fixed-income securities	196,612,680	370,215,776
Fixed-income securities - Loaned:		
Extended Duration Master Trust Unit	32,248,557	39,333,027
Fixed Income Master Trust Unit	26,270,207	37,466,567
Total fixed-income securities - Loaned	58,518,764	76,799,594
Common and preferred stocks:		
Extended Duration Master Trust Unit	246,453	257,498
Fixed Income Master Trust Unit	5,480,665	5,725,249
Equity Master Trust Unit	47,935,950	51,942,571
Total common and preferred stocks	53,663,068	57,925,318
Common and preferred stocks - Loaned -		
Equity Master Trust Unit	6,330,823	11,835,666
Total investments	756,779,947	1,051,873,765
Collateral held under securities lending agreements:		
Extended Duration Master Trust Unit	32,956,597	40,165,190
Fixed Income Master Trust Unit	26,826,289	38,296,543
Equity Master Trust Unit	6,487,277	12,118,265
Total collateral held under securities lending agreements	66,270,163	90,579,998
Other assets:		
Extended Duration Master Trust Unit	71,229	84,291
Cash/S.T. Bond Master Trust Unit	758	29
Fixed Income Master Trust Unit	2,322,726	3,581,595
Equity Master Trust Unit	73,481	80,575
Total other assets	2,468,194	3,746,490
Net receivable for security sales:		
Extended Duration Master Trust Unit	-	7,904,050
Fixed Income Master Trust Unit	93	164
Equity Master Trust Unit	78,045	155,703
Total net receivable for security sales	78,138	8,059,917
Total assets	826,635,411	1,155,208,205

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 5 - Interest in Master Trust (Continued)

	2015	2014
Liabilities		
Obligation under securities lending agreements:		
Extended Duration Master Trust Unit	\$ (32,956,597)	\$ (40,165,190)
Fixed Income Master Trust Unit	(26,826,289)	(38,296,543)
Equity Master Trust Unit	(6,487,277)	(12,118,265)
Total obligation under securities lending agreements	(66,270,163)	(90,579,998)
Unsettled trades:		
Extended Duration Master Trust Unit	-	-
Fixed Income Master Trust Unit	(559,199)	(148,881)
Equity Master Trust Unit	(57,161)	(129,042)
Total unsettled trades	(616,360)	(277,923)
Total liabilities	(66,886,523)	(90,857,921)
Net Assets of the Master Trust		
Opportunistic Master Trust Unit	204,812,930	239,451,539
Extended Duration Master Trust Unit	52,912,052	79,108,905
Cash/S.T. Bond Master Trust Unit	26,395,580	27,934,653
Fixed Income Master Trust Unit	241,931,035	445,270,616
Equity Master Trust Unit	233,697,266	272,584,571
Long Duration Investment Master Trust Unit	25	-
Total Net Assets of the Master Trust	\$ 759,748,888	\$ 1,064,350,284

The investment (loss) income for the investment units held by the Master Trust for the years ended December 31, 2015 and 2014 is as follows:

	2015	2014
Net realized and unrealized (losses) gains in fair value of investments:		
Mutual funds:		
Opportunistic Master Trust Unit	\$ (9,991,428)	\$ (3,900,550)
Cash/S.T. Bond Master Trust Unit	(5,004)	(45,130)
Equity Master Trust Unit	(4,375,416)	(2,287,170)
Total mutual funds	(14,371,848)	(6,232,850)
Common collective trust funds:		
Opportunistic Master Trust Unit	(2,909,188)	(544,023)
Equity Master Trust Unit	(4,670,624)	(996,823)
Total common collective trust funds	(7,579,812)	(1,540,846)
Partnerships:		
Opportunistic Master Trust Unit	(163,872)	951,469
Fixed Income Master Trust Unit	(1,283,305)	1,489,044
Total partnerships	(1,447,177)	2,440,513
Fixed-income securities:		
Extended Duration Master Trust Unit	(1,037,632)	24,636,771
Fixed Income Master Trust Unit	(8,227,158)	51,647,038
Long Duration Investment Master Trust Unit	(16,973,504)	-
Total fixed-income securities	(26,238,294)	76,283,809

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 5 - Interest in Master Trust (Continued)

	2015	2014
Common and preferred stocks:		
Extended Duration Master Trust Unit	\$ (11,044)	\$ 34,150
Fixed Income Master Trust Unit	(244,584)	686,360
Equity Master Trust Unit	(2,643,748)	1,764,132
Total common and preferred stocks	(2,899,376)	2,484,642
Net realized and unrealized (losses) gains in fair value of investments	(52,536,507)	73,435,268
Interest and dividends:		
Opportunistic Master Trust Unit	4,843,690	7,879,742
Extended Duration Master Trust Unit	267,224	340,291
Cash/S.T. Bond Master Trust Unit	411,558	527,776
Fixed income Master Trust Unit	10,051,941	14,138,341
Equity Master Trust Unit	1,903,724	1,942,457
Long Duration Investment Master Trust Unit	3,191,878	-
Total interest and dividends	20,670,015	24,828,607
(Loss) gain on derivative instruments:		
Extended Duration Master Trust Unit	(1,618)	1,203,766
Fixed Income Master Trust Unit	(650,975)	1,782,235
Equity Master Trust Unit	-	-
Total gain (loss) on derivative instruments	(652,593)	2,986,001
Securities lending income:		
Extended Duration Master Trust Unit	65,745	48,617
Fixed Income Master Trust Unit	41,421	59,514
Equity Master Trust Unit	24,565	17,090
Total securities lending income	131,731	125,221
Net investment (loss) income:		
Opportunistic Master Trust Unit	(8,220,799)	4,386,638
Extended Duration Master Trust Unit	(717,326)	26,263,595
Cash/S.T. Bond Master Trust Unit	406,555	482,646
Fixed Income Master Trust Unit	(312,661)	69,802,532
Equity Master Trust Unit	(9,761,498)	439,686
Long Duration Investment Master Trust	(13,781,625)	-
Total net investment (loss) income	\$ (32,387,354)	\$ 101,375,097

During 2015, one of the plans purchased an annuity contract to satisfy all future benefits owed under the plan provisions. The transfer out of the Master Trust totaled approximately \$214,214,000.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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 so that all loaned securities are more than fully collateralized at all times. 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 \$66,270,163 and \$90,579,998 as of December 31, 2015 and 2014, respectively. This consisted of cash collateral received of \$62,939,021 and \$86,323,172, which was invested in a money market fund and noncash collateral of \$3,331,142 and \$4,256,826 at December 31, 2015 and 2014, respectively. 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 \$64,849,587 and \$88,635,260 at December 31, 2015 and 2014, 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 \$16,000,000 and \$14,200,000 at December 31, 2015 and 2014, 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, 2015 and 2014 is insignificant. For the years ended December 31, 2015 and 2014, a loss of \$652,593 and a gain of \$2,986,001, respectively, attributable to derivative instruments was recognized as investment income (loss) in the statement of changes in net assets available for benefits.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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, 2015 and 2014.

Level 1 - In general, 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 and other inputs such as interest rates and yield curves that are observable at commonly quoted intervals.

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 2015 and 2014.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 6 - Fair Value Measurements (Continued)

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

	Quoted Prices in		
	Active Markets	Significant Other	
	for Identical	Observable	Balance at
	Assets	Inputs	December 31,
	(Level 1)	(Level 2)	2015
Investments			
Mutual funds:			
Equity investments	\$ 17,116,199	\$ -	\$ 17,116,199
Fixed-income investments	68,474,739	-	68,474,739
Balanced investments	37,488,014	-	37,488,014
Common collective trust funds:			
Equity investments	-	161,793,918	161,793,918
Balanced investments	-	102,744,496	102,744,496
Partnerships	-	45,306,964	45,306,964
Common Stocks - U.S. equities:			
Retail	3,997,194	-	3,997,194
Banks	4,607,682	-	4,607,682
Oil & Gas	4,548,871	-	4,548,871
Computers	2,589,699	-	2,589,699
Internet	3,146,302	-	3,146,302
Chemicals	3,292,957	-	3,292,957
Pharmaceuticals	3,460,291	-	3,460,291
Transportation	2,077,307	-	2,077,307
Other U.S. equities	32,273,588	-	32,273,588
Debt securities:			
U.S. government and agencies	105,133,434	24,672,306	129,805,740
State government and agencies	-	4,598,713	4,598,713
Corporate obligations	-	119,274,014	119,274,014
Foreign governments	-	2,182,690	2,182,690
Residential mortgage-backed securities	-	2,601,429	2,601,429
Short-term investments:			
Money market fund	-	62,939,021	62,939,021
Interest-bearing cash	-	8,730,282	8,730,282
Total	\$ 288,206,277	\$ 534,843,833	\$ 823,050,110

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

Note 6 - Fair Value Measurements (Continued)

Master Trust Assets Measured at Fair Value on a Recurring Basis at December 31, 2014

	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Balance at December 31, 2014
Investments			
Mutual funds:			
Equity investments	\$ 21,071,972	\$ -	\$ 21,071,972
Fixed-income investments	103,799,841	-	103,799,841
Balanced investments	57,150,956	-	57,150,956
Common collective trust funds:			
Equity investments	-	187,047,230	187,047,230
Balanced investments	-	80,853,138	80,853,138
Partnerships	-	80,173,298	80,173,298
Common stocks - U.S. equities:			
Retail	5,390,293	-	5,390,293
Banks	5,093,022	-	5,093,022
Chemicals	2,927,377	-	2,927,377
Computers	3,322,512	-	3,322,512
Oil and gas	4,546,964	-	4,546,964
Internet	3,250,667	-	3,250,667
Pharmaceuticals	2,769,817	-	2,769,817
Semiconductors	2,388,753	-	2,388,753
Other U.S. equities	40,071,579	-	40,071,579
Debt securities:			
U.S. government and agencies	209,694,896	38,146,936	247,841,832
State government and agencies	-	5,448,863	5,448,863
Corporate obligations	-	190,369,073	190,369,073
Foreign governments	-	3,602,863	3,602,863
Residential mortgage-backed securities	-	3,798,438	3,798,438
Commercial mortgage-backed securities - U.S. government	-	211,128	211,128
Short-term investments:			
Money market fund	-	86,323,171	86,323,171
Interest-bearing cash	-	5,000,976	5,000,976
Total	\$ 461,478,649	\$ 680,975,114	\$ 1,142,453,763

The Master Trust also holds other assets and liabilities not measured at fair value on a recurring basis, including non-interest bearing cash, accrued income, receivables for security sales, and unsettled trades. The fair value of these assets and liabilities approximates the carrying amounts in the accompanying financial statements due to the short maturity of such instruments.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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, 2015 and 2014, the fair value, unfunded commitments, and redemption rules of those investments are as follows:

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
Common collective trust funds - 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>		

Investments Held at December 31, 2014

	Fair Value	Unfunded Commitments	Redemption Frequency, if Eligible	Redemption Notice Period (in business days)
Common collective trust funds - Equity investments (1)	\$ 187,047,230	\$ -	Daily	1
Common collective trust fund - Balanced investments (2)	80,853,138	-	Monthly	30
Partnerships:				
GMO Multi-Strategy Fund (Offshore), L.P. (3)	24,639,830	-	Monthly	5
Western Asset Global Multi-Strategy LLC (4)	55,533,468	-	Daily	15
Total	<u>\$ 348,073,666</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.

Copper and Brass Sales Hourly-Rated Employees Retirement Plan

Notes to Financial Statements December 31, 2015 and 2014

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 (IRC). Although the Plan has been amended since receiving the determination letter, management believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC.

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.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2015

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

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
 EIN / PN: 38-0445860/002
 Plan Sponsor: ThyssenKrupp Materials NA, Inc.
 Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/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 | 4.72% | 1.15% |
| ■ Second segment rate | 6.11% | 4.06% |
| ■ Third segment rate | 6.81% | 5.15% |
| ■ Effective interest rate | 6.11% | 4.09% |

Annual rates of increase

- | | |
|-------------------------------------|--|
| ■ Compensation | N/A |
| ■ Future Social Security wage bases | N/A |
| ■ Statutory limits on compensation | Accrued benefits projected to be paid in future years are limited to the maximum presently allowed under IRC §415. Plan compensation is limited to the maximum presently allowed under IRC §401(a)(17). No provision is made for future increases in the maximum annual benefit or compensation limit. |

Administrative expenses

The amount included this year for plan-related expenses is \$117,743. 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:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

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 Alternative disabled life mortality tables defined under Revenue Ruling 96-7.

Termination Rates varying by age and gender

Representative Termination Rates

Percentage leaving during the year		
Attained Age	Males	Females
20	22.4%	37.5%
25	14.9%	22.4%
30	10.4%	14.9%
40	4.3%	7.4%
50	0.9%	2.7%
55	0.0%	0.9%

Disability None

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Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

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 are shown below.

Attained Age	Rate
55	7.5%
56-59	3.5%
60	3.5%
61	3.5%
62	50.0%
63-64	10.0%
65	100.0%

The rate at age 60 is 7.5% for participants with more than 30 years of service. The weighted average retirement age is 62

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

Lump sum payments

Lump sums were valued using a discount rate of 3.00% (average of the index over the past 5 plan years) and Revenue Ruling 2001-62. .

Percent married

For purposes of valuing the pre-retirement surviving spouse's benefit, 80% of eligible participants are assumed to be married.

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
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SCHEDULE SB ATTACHMENTS

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 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.)

The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.

Benefits not valued All benefits described in the Plan Provisions section of this report were valued 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: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
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Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

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 3.00% 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	<p>The percentage of retiring participants assumed to take lump sums is based on observed experience over recent periods with annual review.</p> <p>The percentage of retiring participants assumed to take joint and survivor annuities is based on observed experience over recent periods with annual review.</p>
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.

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
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SCHEDULE SB ATTACHMENTS

Source of Prescribed Methods

Funding methods

The methods used for funding purposes, 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 2013 to September 2014 and subsequently revised by applying the corridors of HATFA to determine minimum funding requirements and benefit restrictions. However, as required by MAP-21, such rates have not been reflected in the 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 3.30% to 3.00%.

The assumed plan-related expenses added to the target normal cost was changed from \$96,515 to \$117,743.

Change in methods since prior valuation

None.

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

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 2015 This Form is Open to Public Inspection
--	--	---

For calendar plan year 2015 or fiscal plan year beginning 01/01/2015 and ending 12/31/2015

▶ **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 Copper and Brass Sales Hourly-Rated Employees Retirement Plan	B Three-digit plan number (PN) ▶ 002
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

Part I	Basic Information
1 Enter the valuation date: Month 01 Day 01 Year 2015	
2 Assets:	
a Market value	2a 3,323,573
b Actuarial value	2b 3,262,234
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment	(1) Number of participants 33 (2) Vested Funding Target 1,650,928 (3) Total Funding Target 1,650,928
b For terminated vested participants	59 1,433,328 1,433,328
c For active participants	9 967,031 967,031
d Total	101 4,051,287 4,051,287
4 If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 6.11%
6 Target normal cost	6 148,079

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	Lauren D Pellerito	
	Signature of actuary	Date 1406364
Lauren D Pellerito	Type or print name of actuary	Most recent enrollment number 248-936-7700
Towers Watson Delaware Inc.	Firm name	Telephone number (including area code)
26555 Evergreen Suite 1600 Southfield MI 48076	Address of the firm	

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

Part II Beginning of Year Carryover 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>6.67</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).....		0
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>6.38</u> %		0
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		0
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	80.52 %
15 Adjusted funding target attainment percentage	15	80.52 %
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	86.90 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
04/14/2015	135,056	0			
07/14/2015	135,056	0			
10/14/2015	135,056	0			
01/14/2016	135,056	0			
03/24/2016	142,617	0			
Totals ▶			18(b)	682,841	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	652,104

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
0	0	0	0

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

21 Discount rate:				
a Segment rates:	1st segment: 4.72%	2nd segment: 6.11%	3rd segment: 6.81%	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 4
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute				

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	148,079	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	789,053	503,894	
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	651,973	
	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	651,973	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	652,104	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	131	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

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

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

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	ThyssenKrupp Materials NA, Inc.
EIN/PN	38-0445860/002
Plan Name	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
Valuation Date	January 1, 2015
Enrolled Actuary	Lauren D. Pellerito
Enrollment Number	14-06364

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, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2015

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

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/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 | 4.72% | 1.15% |
| ■ Second segment rate | 6.11% | 4.06% |
| ■ Third segment rate | 6.81% | 5.15% |
| ■ Effective interest rate | 6.11% | 4.09% |

Annual rates of increase

- | | |
|-------------------------------------|--|
| ■ Compensation | N/A |
| ■ Future Social Security wage bases | N/A |
| ■ Statutory limits on compensation | Accrued benefits projected to be paid in future years are limited to the maximum presently allowed under IRC §415. Plan compensation is limited to the maximum presently allowed under IRC §401(a)(17). No provision is made for future increases in the maximum annual benefit or compensation limit. |

Administrative expenses

The amount included this year for plan-related expenses is \$117,743. 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:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

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 Alternative disabled life mortality tables defined under Revenue Ruling 96-7.

Termination Rates varying by age and gender

Representative Termination Rates

Percentage leaving during the year		
Attained Age	Males	Females
20	22.4%	37.5%
25	14.9%	22.4%
30	10.4%	14.9%
40	4.3%	7.4%
50	0.9%	2.7%
55	0.0%	0.9%

Disability None

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

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 are shown below.

Attained Age	Rate
55	7.5%
56-59	3.5%
60	3.5%
61	3.5%
62	50.0%
63-64	10.0%
65	100.0%

The rate at age 60 is 7.5% for participants with more than 30 years of service. The weighted average retirement age is 62

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

Lump sum payments

Lump sums were valued using a discount rate of 3.00% (average of the index over the past 5 plan years) and Revenue Ruling 2001-62. .

Percent married

For purposes of valuing the pre-retirement surviving spouse's benefit, 80% of eligible participants are assumed to be married.

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

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 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.)

The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.

Benefits not valued All benefits described in the Plan Provisions section of this report were valued 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: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

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 3.00% 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	<p>The percentage of retiring participants assumed to take lump sums is based on observed experience over recent periods with annual review.</p> <p>The percentage of retiring participants assumed to take joint and survivor annuities is based on observed experience over recent periods with annual review.</p>
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.

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Source of Prescribed Methods

Funding methods

The methods used for funding purposes, 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 2013 to September 2014 and subsequently revised by applying the corridors of HATFA to determine minimum funding requirements and benefit restrictions. However, as required by MAP-21, such rates have not been reflected in the 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 3.30% to 3.00%.

The assumed plan-related expenses added to the target normal cost was changed from \$96,515 to \$117,743.

Change in methods since prior valuation

None.

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

Plan Provisions

December 31, 1958, as amended effective October 31, 2011

Covered employees

All union hourly employees covered by collective bargaining agreement with one of the following:

- a. **Detroit**
International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America, Local No. 337 – (not eligible if hired after June 19, 1998)
- b. **Cleveland**
International Association of Machinists, Aero Space Workers, AFL-CIO District No. 54 – (not eligible if hired after November 1, 1999)
- c. **Grand Rapids**
General Teamsters Union, Local No. 406 – (not eligible if hired after September 1, 1998)
- d. **Chicago**
Machinery, Scrap Iron, Metal & Steel Chauffeurs, Warehousemen, Handlers, Helpers, Alloy Fabricators, Theatrical, Exposition, Convention and Trade Show Employees Union, Local No. 714, International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America – (not eligible if hired after April 16, 2000)

Participation date

Date of becoming a covered employee

Definitions

Vesting service

One Year of Service is granted for each calendar year in which a participant completes at least 1,000 hours of service.

Pension service

One year of credited service is granted for each calendar year in which a participant completes at least 1,441 hours. Reduced 0.1 for each 160 hours less than 1,600 (except 0.1 is credited if hours are greater than or equal to 80 and less than 161).

Normal retirement date (NRD)

Chicago, Detroit and Grand Rapids: Age 65.

Cleveland: Age 65, or age 62 with 30 years of vesting service.

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Monthly pension benefit

Equal to credited service multiplied by the benefit unit in effect on the participant's last day worked.

Detroit

Last Day Worked	Benefit Unit
06/16/2000 – 06/15/2001	\$29.00
06/16/2001 – 06/15/2002	30.00
06/16/2002 – 06/15/2003	31.00
06/16/2003 – 06/15/2004	33.00
06/16/2004 – 06/15/2005	34.00
06/16/2005 – 06/15/2006	35.00
06/16/2006 – 06/15/2007	36.00
06/16/2007 and later	39.00

Cleveland

Last Day Worked	Benefit Unit
11/01/1999 – 10/31/2002	\$27.50
11/01/2002 – 10/31/2003	28.50
11/01/2003 – 10/31/2004	29.50
11/01/2004 – 10/31/2005	30.50
11/01/2005 – 10/31/2006	32.00
11/01/2006 – 10/31/2007	33.00
11/01/2007 – 10/31/2009	34.00
11/01/2009 – 10/31/2010	34.25
11/01/2010 – 10/31/2011	34.75
11/01/2011 – 10/31/2012	35.05
11/01/2012 – 10/31/2013	35.20
11/01/2013 – 10/31/2014	35.35
11/01/2014 – 10/31/2015	35.60
11/01/2015 and later	36.00

Grand Rapids

Last Day Worked	Benefit Unit
09/01/2001 – 08/31/2002	\$30.00
09/01/2002 – 08/31/2003	31.00
09/01/2003 – 08/31/2004	33.00
09/01/2004 – 08/31/2005	34.00
09/01/2005 – 08/31/2006	35.00
09/01/2006 – 08/31/2007	36.00
09/01/2007 and later	39.00

Chicago

Last Day Worked	Benefit Unit
04/16/1999 – 04/15/2000	\$21.00
04/16/2000 – 04/15/2005	25.00
04/16/2005 and later	26.00

Monthly preretirement death benefit

55% of Joint & 55% Survivor benefit payable at earliest retirement date. (No charge for coverage.)

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	Cleveland, Detroit and Grand Rapids: Age 60 and ten years of credited service, or age 55 with 85 points (age plus credited service). Chicago: Age 60 and five years of credited service, or age 55 with 85 points (age plus credited service).
Postponed retirement	Retirement after NRD
Vested termination	A participant is 100% vested upon completion of 5 years of vesting service. However, all participants become 100% vested upon reaching Normal Retirement Age.
Disability	Cleveland, Detroit and Grand Rapids: 10 years of credited service (vesting service for Cleveland) and Permanent and Total Disability as determined by the Board. Chicago: 5 years of vesting service and Permanent and Total Disability, as determined by the Board.
Preretirement death benefit	5 Years of Vesting Service and married at time of death

Benefits Paid Upon the Following Events

Normal retirement	The monthly pension benefit determined as of NRD
Early retirement	Detroit: Monthly pension benefit adjusted according to the following table (interpolated to nearest month of age):

<u>Age</u>	<u>Factor</u>
62-65	1.000
61	0.933
60	0.867
59	0.808
58	0.752
57	0.694
56	0.635
55	0.579

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Grand Rapids: Monthly pension benefit reduced by 5/9% per month for each complete month commencement precedes age 65. Benefit is unreduced if participant has 90 points.

Cleveland and Chicago: Monthly pension benefit reduced by 5/9% per month for each complete month commencement precedes age 65.

Alternative Early Retirement Benefit (Cleveland, Grand Rapids and Chicago only): Monthly pension Benefit plus \$96.00 per month with the total reduced 5/9% per month for each complete month benefit commencement precedes age 62, less \$96.00 per monthly payment after age 62.

Supplemental benefit

If age 55 with 20 years of credited service upon termination prior to age 60, it provides \$600.00 per month. Upon termination at age 60, it provides \$625.00 per month. Upon termination at age 61, it provides \$650.00. Regardless of commencement age, benefit reduces to \$420.00 per month from age 62 to 65. The supplement is prorated for less than 30 years of credited service, and is offset by the regular early retirement benefit being paid.

Postponed retirement

The monthly pension benefit determined as of the actual retirement date

Vested termination

The monthly pension benefit payable at age 65, reduced 5/9% per month for first 60 months prior to age 65, reduced an additional 5/18% per month for the next 60 months, and actuarially reduced for any additional months that benefit commencement precedes age 55. Unreduced benefit payable at any age for Grand Rapids participant with 10 years of credited service and 90 points.

Disablement

If a participant is eligible for an unreduced Federal Social Security Disability Insurance Benefit, then disability benefit is accrued benefit as of date of disability, with no reduction for early commencement, payable to age 65 if participant remains disabled.

If participant is not eligible for an unreduced Federal Social Security Disability Insurance Benefit, then disability benefit is accrued benefit at date of disability multiplied by two.

For Cleveland Only: Effective November 1, 2008, \$68 per month multiplied by credited service.

For Detroit Only: Benefit determined above is reduced by any benefit payable from company disability insurance.

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Preretirement death

The monthly preretirement death benefit

Other Plan Provisions

Forms of payment

In lieu of the normal form of payment, which is a straight life annuity, the following actuarially equivalent optional forms of payment are available:

- Ten Year Certain and Life
- Joint & 50%, 55%, 66 2/3%, 75% or 100% Contingent Annuity
- Lump sum

Actuarial equivalence for annuity options is based on a 7.5% interest rate and the 1983 GAM (unisex). Lump sum distributions are based on the GATT interest 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. Lump sums for participants eligible for Early Retirement are based on the accrued benefit (not including any supplement) reduced for immediate payments, otherwise based on the accrued benefit deferred to age 65.

Pension Increases

None

Plan participants' contributions

None

Maximum on benefits and pay

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

Future Plan Changes

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

Changes in Benefits Valued Since Prior Year

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

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2015

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

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
 EIN / PN: 38-0445860/002
 Plan Sponsor: ThyssenKrupp Materials NA, Inc.
 Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2015

Type of Base		Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
1	Shortfall	01/01/2015	527,682	7	527,682	87,755
2	Shortfall	01/01/2014	(854,217)	6	(759,485)	(142,961)
3	Shortfall	01/01/2013	70,685	5	53,902	11,797
4	Shortfall	01/01/2012	476,499	4	282,151	75,490
5	Shortfall	01/01/2011	167,135	3	78,834	27,499
6	Shortfall	01/01/2010	1,005,901	2	330,940	169,285
7	Shortfall	01/01/2009	1,549,906	1	275,029	275,029
Total					789,053	503,894

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2015

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

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN:	38-0445860/002
Plan Sponsor:	ThyssenKrupp Materials NA, Inc.
Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

Plan Provisions

December 31, 1958, as amended effective October 31, 2011

Covered employees

All union hourly employees covered by collective bargaining agreement with one of the following:

- a. Detroit**
International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America, Local No. 337 – (not eligible if hired after June 19, 1998)
- b. Cleveland**
International Association of Machinists, Aero Space Workers, AFL-CIO District No. 54 – (not eligible if hired after November 1, 1999)
- c. Grand Rapids**
General Teamsters Union, Local No. 406 – (not eligible if hired after September 1, 1998)
- d. Chicago**
Machinery, Scrap Iron, Metal & Steel Chauffeurs, Warehousemen, Handlers, Helpers, Alloy Fabricators, Theatrical, Exposition, Convention and Trade Show Employees Union, Local No. 714, International Brotherhood of Teamsters, Chauffeurs, Warehousemen and Helpers of America – (not eligible if hired after April 16, 2000)

Participation date

Date of becoming a covered employee

Definitions

Vesting service

One Year of Service is granted for each calendar year in which a participant completes at least 1,000 hours of service.

Pension service

One year of credited service is granted for each calendar year in which a participant completes at least 1,441 hours. Reduced 0.1 for each 160 hours less than 1,600 (except 0.1 is credited if hours are greater than or equal to 80 and less than 161).

Normal retirement date (NRD)

Chicago, Detroit and Grand Rapids: Age 65.

Cleveland: Age 65, or age 62 with 30 years of vesting service.

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Monthly pension benefit

Equal to credited service multiplied by the benefit unit in effect on the participant's last day worked.

Detroit

Last Day Worked	Benefit Unit
06/16/2000 – 06/15/2001	\$29.00
06/16/2001 – 06/15/2002	30.00
06/16/2002 – 06/15/2003	31.00
06/16/2003 – 06/15/2004	33.00
06/16/2004 – 06/15/2005	34.00
06/16/2005 – 06/15/2006	35.00
06/16/2006 – 06/15/2007	36.00
06/16/2007 and later	39.00

Cleveland

Last Day Worked	Benefit Unit
11/01/1999 – 10/31/2002	\$27.50
11/01/2002 – 10/31/2003	28.50
11/01/2003 – 10/31/2004	29.50
11/01/2004 – 10/31/2005	30.50
11/01/2005 – 10/31/2006	32.00
11/01/2006 – 10/31/2007	33.00
11/01/2007 – 10/31/2009	34.00
11/01/2009 – 10/31/2010	34.25
11/01/2010 – 10/31/2011	34.75
11/01/2011 – 10/31/2012	35.05
11/01/2012 – 10/31/2013	35.20
11/01/2013 – 10/31/2014	35.35
11/01/2014 – 10/31/2015	35.60
11/01/2015 and later	36.00

Grand Rapids

Last Day Worked	Benefit Unit
09/01/2001 – 08/31/2002	\$30.00
09/01/2002 – 08/31/2003	31.00
09/01/2003 – 08/31/2004	33.00
09/01/2004 – 08/31/2005	34.00
09/01/2005 – 08/31/2006	35.00
09/01/2006 – 08/31/2007	36.00
09/01/2007 and later	39.00

Chicago

Last Day Worked	Benefit Unit
04/16/1999 – 04/15/2000	\$21.00
04/16/2000 – 04/15/2005	25.00
04/16/2005 and later	26.00

Monthly preretirement death benefit

55% of Joint & 55% Survivor benefit payable at earliest retirement date. (No charge for coverage.)

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
EIN / PN: 38-0445860/002
Plan Sponsor: ThyssenKrupp Materials NA, Inc.
Valuation Date: January 1, 2015

SCHEDULE SB ATTACHMENTS

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	Cleveland, Detroit and Grand Rapids: Age 60 and ten years of credited service, or age 55 with 85 points (age plus credited service). Chicago: Age 60 and five years of credited service, or age 55 with 85 points (age plus credited service).
Postponed retirement	Retirement after NRD
Vested termination	A participant is 100% vested upon completion of 5 years of vesting service. However, all participants become 100% vested upon reaching Normal Retirement Age.
Disability	Cleveland, Detroit and Grand Rapids: 10 years of credited service (vesting service for Cleveland) and Permanent and Total Disability as determined by the Board. Chicago: 5 years of vesting service and Permanent and Total Disability, as determined by the Board.
Preretirement death benefit	5 Years of Vesting Service and married at time of death

Benefits Paid Upon the Following Events

Normal retirement	The monthly pension benefit determined as of NRD
Early retirement	Detroit: Monthly pension benefit adjusted according to the following table (interpolated to nearest month of age):

<u>Age</u>	<u>Factor</u>
62-65	1.000
61	0.933
60	0.867
59	0.808
58	0.752
57	0.694
56	0.635
55	0.579

Plan Name:	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
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Valuation Date	January 1, 2015

SCHEDULE SB ATTACHMENTS

Grand Rapids: Monthly pension benefit reduced by 5/9% per month for each complete month commencement precedes age 65. Benefit is unreduced if participant has 90 points.

Cleveland and Chicago: Monthly pension benefit reduced by 5/9% per month for each complete month commencement precedes age 65.

Alternative Early Retirement Benefit (Cleveland, Grand Rapids and Chicago only): Monthly pension Benefit plus \$96.00 per month with the total reduced 5/9% per month for each complete month benefit commencement precedes age 62, less \$96.00 per monthly payment after age 62.

Supplemental benefit

If age 55 with 20 years of credited service upon termination prior to age 60, it provides \$600.00 per month. Upon termination at age 60, it provides \$625.00 per month. Upon termination at age 61, it provides \$650.00. Regardless of commencement age, benefit reduces to \$420.00 per month from age 62 to 65. The supplement is prorated for less than 30 years of credited service, and is offset by the regular early retirement benefit being paid.

Postponed retirement

The monthly pension benefit determined as of the actual retirement date

Vested termination

The monthly pension benefit payable at age 65, reduced 5/9% per month for first 60 months prior to age 65, reduced an additional 5/18% per month for the next 60 months, and actuarially reduced for any additional months that benefit commencement precedes age 55. Unreduced benefit payable at any age for Grand Rapids participant with 10 years of credited service and 90 points.

Disablement

If a participant is eligible for an unreduced Federal Social Security Disability Insurance Benefit, then disability benefit is accrued benefit as of date of disability, with no reduction for early commencement, payable to age 65 if participant remains disabled.

If participant is not eligible for an unreduced Federal Social Security Disability Insurance Benefit, then disability benefit is accrued benefit at date of disability multiplied by two.

For Cleveland Only: Effective November 1, 2008, \$68 per month multiplied by credited service.

For Detroit Only: Benefit determined above is reduced by any benefit payable from company disability insurance.

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Preretirement death

The monthly preretirement death benefit

Other Plan Provisions

Forms of payment

In lieu of the normal form of payment, which is a straight life annuity, the following actuarially equivalent optional forms of payment are available:

- Ten Year Certain and Life
- Joint & 50%, 55%, 66 2/3%, 75% or 100% Contingent Annuity
- Lump sum

Actuarial equivalence for annuity options is based on a 7.5% interest rate and the 1983 GAM (unisex). Lump sum distributions are based on the GATT interest 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. Lump sums for participants eligible for Early Retirement are based on the accrued benefit (not including any supplement) reduced for immediate payments, otherwise based on the accrued benefit deferred to age 65.

Pension Increases

None

Plan participants' contributions

None

Maximum on benefits and pay

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

Future Plan Changes

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

Changes in Benefits Valued Since Prior Year

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

Plan Name: Copper and Brass Sales Hourly-Rated Employees Retirement Plan
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Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	ThyssenKrupp Materials NA, Inc.
EIN/PN	38-0445860/002
Plan Name	Copper and Brass Sales Hourly-Rated Employees Retirement Plan
Valuation Date	January 1, 2015
Enrolled Actuary	Lauren D. Pellerito
Enrollment Number	14-06364

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, Line 32
Schedule of Amortization Bases
as of January 1, 2015

Type of Base		Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
1	Shortfall	01/01/2015	527,682	7	527,682	87,755
2	Shortfall	01/01/2014	(854,217)	6	(759,485)	(142,961)
3	Shortfall	01/01/2013	70,685	5	53,902	11,797
4	Shortfall	01/01/2012	476,499	4	282,151	75,490
5	Shortfall	01/01/2011	167,135	3	78,834	27,499
6	Shortfall	01/01/2010	1,005,901	2	330,940	169,285
7	Shortfall	01/01/2009	1,549,906	1	275,029	275,029
Total					789,053	503,894

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