

Form 5500-SF Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Short Form Annual Return/Report of Small Employee Benefit Plan This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500-SF.	OMB Nos. 1210-0110 1210-0089 2017 This Form is Open to Public Inspection
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Part I Annual Report Identification Information		
For calendar plan year 2017 or fiscal plan year beginning <u>01/01/2017</u> and ending <u>12/31/2017</u>		
A This return/report is for:	☒ a single-employer plan	☐ a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
	☐ a one-participant plan	☐ a foreign plan
B This return/report is	☐ the first return/report	☐ the final return/report
	☐ an amended return/report	☐ a short plan year return/report (less than 12 months)
C Check box if filing under:	☒ Form 5558	☐ automatic extension
	☐ special extension (enter description)	☐ DFVC program

Part II Basic Plan Information —enter all requested information		
1a Name of plan <u>THOMPSON HEATING CORPORATION DEFINED BENEFIT PLAN</u>	1b Three-digit plan number (PN) ▶	<u>002</u>
	1c Effective date of plan	<u>01/01/2010</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>THOMPSON HEATING CORPORATION</u> <u>6 N. COMMERCE PARK DRIVE</u> <u>CINCINNATI, OH 45215</u>	2b Employer Identification Number (EIN) <u>31-0467180</u>	
	2c Sponsor's telephone number <u>513-333-4357</u>	
	2d Business code (see instructions) <u>238220</u>	
3a Plan administrator's name and address ☒ Same as Plan Sponsor.	3b Administrator's EIN	
	3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report. a Sponsor's name c Plan Name	4b EIN 4d PN	
5a Total number of participants at the beginning of the plan year	5a	<u>40</u>
b Total number of participants at the end of the plan year	5b	<u>28</u>
c Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	5c	
d(1) Total number of active participants at the beginning of the plan year	5d(1)	<u>20</u>
d(2) Total number of active participants at the end of the plan year	5d(2)	<u>16</u>
e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	5e	<u>0</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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2018	WESLEY HOLM
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2018	WESLEY HOLM
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

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

Form 5500-SF (2017)
v.170203

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) ☒ Yes ☐ No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) ☒ Yes ☐ No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? ☒ Yes ☐ No ☐ Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4085501. (See instructions.)

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	1630946	1316477
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	1630946	1316477
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	0	
(2) Participants	8a(2)	0	
(3) Others (including rollovers)	8a(3)	0	
b Other income (loss)	8b	65597	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		65597
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	354853	
e Certain deemed and/or corrective distributions (see instructions)	8e	0	
f Administrative service providers (salaries, fees, commissions)	8f	7085	
g Other expenses	8g	18128	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		380066
i Net income (loss) (subtract line 8h from line 8c)	8i		-314469
j Transfers to (from) the plan (see instructions)	8j		

Part IV Plan Characteristics

- 9a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:
1A 1I 3D
- b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

Part V Compliance Questions

10 During the plan year:		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (See instructions and DOL's Voluntary Fiduciary Correction Program)	10a		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X	
c Was the plan covered by a fidelity bond?	10c	X		250000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X	
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e	X		7085
f Has the plan failed to provide any benefit when due under the plan?	10f		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h			
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i			

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and line 11a below) ☒ Yes ☐ No

11a Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** 0

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? ☐ Yes ☒ No
(If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.)

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

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year **12b**

c Enter the amount contributed by the employer to the plan for this plan year **12c**

d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) **12d**

e Will the minimum funding amount reported on line 12d be met by the funding deadline? ☐ Yes ☐ No ☐ N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year? ☒ Yes ☐ No

If "Yes," enter the amount of any plan assets that reverted to the employer this year **13a** 0

b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? ☐ Yes ☒ No

c If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

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 2017 This Form is Open to Public Inspection
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For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 11/15/2017

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

A Name of plan <u>THOMPSON HEATING CORPORATION DEFINED BENEFIT PLAN</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>THOMPSON HEATING CORPORATION</u>	D Employer Identification Number (EIN) <u>31-0467180</u>

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☒ 100 or fewer ☐ 101-500 ☐ More than 500
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Part I	Basic Information
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1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2017</u>			
2 Assets:			
a Market value	2a	<u>1610681</u>	
b Actuarial value	2b	<u>1610681</u>	
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	<u>0</u>	<u>0</u>	<u>0</u>
b For terminated vested participants	<u>20</u>	<u>221851</u>	<u>221851</u>
c For active participants	<u>20</u>	<u>1026430</u>	<u>1026430</u>
d Total	<u>40</u>	<u>1248281</u>	<u>1248281</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5 Effective interest rate	5	<u>6.27 %</u>	
6 Target normal cost	6	<u>0</u>	

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

SIGN HERE		
Signature of actuary	<u>10/11/2018</u>	Date
<u>HANS NIENABER</u>	<u>17-05737</u>	Most recent enrollment number
Type or print name of actuary	<u>513-985-6164</u>	Telephone number (including area code)
<u>CUNI, RUST & STRENK, INC.</u>		
Firm name		
<u>4555 LAKE FOREST DRIVE</u> <u>SUITE 620</u> <u>CINCINNATI, OH 45242</u>		
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>5.52</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)		446191
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>6.44</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		446191
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	129.03%
15 Adjusted funding target attainment percentage	15	129.03%
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	96.60%
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

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

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ►			18(b)		18(c)

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	0

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

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

21 Discount rate:				
a Segment rates:	1st segment: 4.16 %	2nd segment: 5.72 %	3rd segment: 6.48 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 0
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	0	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment.....	0	0	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....	34	0	
	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	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years.....	40	0	

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

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

Form 5500-SFDepartment of the Treasury
Internal Revenue ServiceDepartment of Labor
Employee Benefits Security Administration
Pension Benefit Guaranty Corporation**Short Form Annual Return/Report of Small Employee
Benefit Plan**

This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500-SF.**OMB Nos. 1210-0110
1210-0089**2017****This Form is Open to Public
Inspection****Part I Annual Report Identification Information**For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

- A** This return/report is for: ☒ a single-employer plan ☐ a multiple-employer plan (not multiemployer) (filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- B** This return/report is: ☐ a one-participant plan ☐ a foreign plan
☐ the first return/report ☐ the final return/report
☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ DFVC program
☐ special extension (enter description)

Part II Basic Plan Information --- enter all requested information

1a Name of plan Thompson Heating Corporation Defined Benefit Plan		1b Three-digit plan number (PN) ▶ 002
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) Thompson Heating Corporation 6 N. Commerce Park Drive US Cincinnati OH 45215		1c Effective date of plan 01/01/2010 2b Employer Identification Number (EIN) 31-0467180 2c Sponsor's telephone number (513) 333-4357 2d Business code (see instructions) 238220
3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN 3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report. a Sponsor's name c Plan Name		4b EIN 4d PN
5a Total number of participants at the beginning of the plan year	5a	40
b Total number of participants at the end of the plan year	5b	28
c Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	5c	
d(1) Total number of active participants at the beginning of the plan year	5d(1)	20
d(2) Total number of active participants at the end of the plan year	5d(2)	16
e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	5e	0

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

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE		WESLEY HOLM
	Signature of plan administrator	Date <u>10/15/18</u> Enter name of individual signing as plan administrator
SIGN HERE		
	Signature of employer/plan sponsor	Date <u>10/15/18</u> Enter name of individual signing as employer or plan sponsor

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

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v.170203

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) ☒ Yes ☐ No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) ☒ Yes ☐ No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? ☒ Yes ☐ No ☐ Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this year 4085501 (See instructions.)

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	1,630,946	1,316,477
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	1,630,946	1,316,477
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	0	
(2) Participants	8a(2)	0	
(3) Others (including rollovers)	8a(3)	0	
b Other income (loss)	8b	65,597	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		65,597
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	354,853	
e Certain deemed and/or corrective distributions (see instructions)	8e	0	
f Administrative service providers (salaries, fees, commissions)	8f	7,085	
g Other expenses	8g	18,128	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		380,066
i Net income (loss) (subtract line 8h from line 8c)	8i		(314,469)
j Transfers to (from) the plan (see instructions)	8j		

Part IV Plan Characteristics

- 9a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:
1A 1I 3D
- b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

Part V Compliance Questions

10 During the plan year:		Yes	No	N/A	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (See instructions and DOL's Voluntary Fiduciary Correction Program)	10a		X		
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X		
c Was the plan covered by a fidelity bond?	10c	X			250,000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X		
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e	X			7,085
f Has the plan failed to provide any benefit when due under the plan?	10f		X		
g Did the plan have any participant loans? (If "Yes," enter amount as of year end.)	10g		X		
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h				
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i				

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500 and line 11a below) ☒ Yes ☐ No

11a Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** 0

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? ☐ Yes ☒ No
(If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.)

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

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year..... **12b**

c Enter the amount contributed by the employer to the plan for the plan year **12c**

d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) **12d**

e Will the minimum funding amount reported on line 12d be met by the funding deadline? ☐ Yes ☐ No ☐ N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year? ☒ Yes ☐ No

If "Yes," enter the amount of any plan assets that reverted to the employer this year **13a** 0

b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? ☐ Yes ☒ No

c If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

2017 Schedule SB, Part V – Summary of Plan Provisions

Plan Name: Thompson Heating Corporation Defined Benefit Plan

EIN: 31-0467180

PN: 002

1. Effective Date: January 1, 2010. The plan was terminated effective November 15, 2017.

2. Plan Year: January 1st through December 31st.

3. Eligible Employees: Certain employees of the employer, excluding independent contractors, collectively bargained employees, and other excluded classes.

Participants enter the plan on January 1st and July 1st following attainment of age 21 and completion of one year of service.

No new entrants after December 31, 2013.

4. Normal Retirement:
 - a. Eligibility Age 62 and fifth anniversary of participation.
 - b. Monthly Benefit A participant who works to their Normal Retirement Date will receive 7.0% of Average Monthly Compensation (AMC) multiplied by years of Participation Service up to 9 years.

Average Monthly Compensation is the highest consecutive three years of compensation as a plan participant.

Benefit accruals ceased effective December 31, 2013.

5. Early Retirement:
 - a. Eligibility No early retirement benefit offered.
 - b. Monthly Benefit N/A.

2017 Schedule SB, Part V – Summary of Plan Provisions

Plan Name: Thompson Heating Corporation Defined Benefit Plan

EIN: 31-0467180

PN: 002

6. Vested Retirement:

- a. Eligibility 20% after 2 years of Vesting Service plus 20% per year thereafter up to 100% after six years.
- b. Monthly Benefit Accrued Benefit times the participant's vesting percentage.

7. Disability Retirement:

- a. Eligibility Determined by a physician.
- b. Monthly Benefit Actuarial equivalent of Vested Accrued Benefit.

8. Late Retirement:

A participant who works beyond their Normal Retirement Date will upon actual retirement receive the greater of the benefit payable at Normal Retirement increased actuarially to their late retirement date or the benefit determined at late retirement with continued accruals.

9. Pre-Retirement Death:

- a. Eligibility None.
- b. Monthly Benefit Actuarial equivalent of Vested Accrued Benefit.

10. Payment Forms:

- a. Normal Life Annuity for single participants and an Actuarially Equivalent 50% Joint & Survivor annuity for married participants.
- b. Optional Actuarially Equivalent 50%, 66^{2/3}%, 75%, or 100% Contingent Annuitant, 10-Year, 15-Year or 20-Year Certain and Life annuity.

2017 Schedule SB, Part V – Summary of Plan Provisions

Plan Name: Thompson Heating Corporation Defined Benefit Plan

EIN: 31-0467180

PN: 002

11. Actuarial Equivalency:

a. Other than Lump Sums

Pre-retirement: No mortality and 6.0% interest. Post-retirement: 1994 Group Annuity Reserving Mortality Table.

b. Lump Sums

Greater of the result from the factors contained above and the IRS applicable mortality table and the IRS applicable interest rates for the first month prior to the beginning of the plan year.

12. Changes Since Last Year:

The plan was terminated effective November 15, 2017.

2017 Schedule SB, line 25 – Change in Method.

Plan Name: Thompson Heating Corporation Defined Benefit Plan

EIN: 31-0467180

PN: 002

Effective with the January 1, 2017 valuation, the following methods were changed:

- The valuation date was changed from the last day of the plan year to the first day of the plan year due to the termination of the plan effective November 15, 2017.

2017 Schedule SB, Part V – Statement of Actuarial Assumptions/Methods
Plan Name: Thompson Heating Corporation Defined Benefit Plan
EIN: 31-0467180
PN: 002

1. Interest Rates:

a. Funding/Target Liability

Minimum Required

IRS Segment rates as of the valuation date subject to the MAP-21 90% - 110% corridor as amended by HATFA:

- i. Tier 1 – Years 0-5
- ii. Tier 2 – Years 5-20
- iii. Tier 3 – Years 20+

4.16% per year.
5.72% per year.
6.48% per year.

Maximum Deductible

IRS Segment rates as of the valuation date:

- i. Tier 1 – Years 0-5
- ii. Tier 2 – Years 5-20
- iii. Tier 3 – Years 20+

1.57% per year.
3.77% per year.
4.73% per year.

2. Mortality Rates:

IRS 2017 Combined Small Plan Static Mortality Table with no pre-retirement mortality.

3. Retirement Rates:

Age 62.

4. Termination Rates:

None.

5. Disability Rates:

None.

6. Expense Load:

None.

7. Percent Married/Spousal Age:

80% with wives 3 years younger than their husbands.

8. Assumed Form of Benefit Election:

It is assumed that participants will elect to receive a single life annuity at normal retirement age.

2017 Schedule SB, Part V – Statement of Actuarial Assumptions/Methods
Plan Name: Thompson Heating Corporation Defined Benefit Plan
EIN: 31-0467180
PN: 002

9. Actuarial Cost Method: PPA Funding Method.

10. Actuarial Value of Assets: Market Value.

11. Rationale for Assumptions: The IRS segment rates and mortality tables used to determine minimum funding and maximum deductible amounts are pursuant to IRS regulations. The selection of other actuarial assumptions is based on the actuary's best estimate of future expectations based on an examination of historical results compared to expectations, periodic experience studies, Society of Actuaries mortality studies, and any reasonably certain information about future expected plan changes.

12. Changes Since Last Year: Interest rates are updated to comply with the Pension Protection Act of 2006 (PPA).

The valuation date was changed to the first day of the plan year.

PN: 002

[illegible]

2017 Schedule SB, Line 22--Description of Weighted Average Retirement Age
Plan Name: Thompson Heating Corporation Defined Benefit Plan
EIN: 31-0467180
PN: 002

(A)	(B)	(C)	(D)	(E)
Retirement Age	Retirement Rates	Fraction Remaining	Probability Distribution	Sum Weighted Average Age
62	100.00%	0.00000	100.00%	62.00000
Weighted Average Retirement Age				62.0

The Retirement Rates (Column B) at each Early Retirement Age (Column A) are converted to a probability distribution (Column D). The products of Column A and Column D are summed to determine the resulting Weighted Average Retirement Age.

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

Pension Benefit Guaranty Corporation

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

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

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

OMB No. 1210-0110

2017**This Form is Open to Public
Inspection**For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 11/15/2017▶ **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****Thompson Heating Corporation Defined Benefit Plan****B Three-digit**

plan number (PN) ▶

002**C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF****Thompson Heating Corporation****D Employer Identification Number (EIN)****31-0467180****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 2017**2 Assets:**

	2a	
a Market value		1,610,681
b Actuarial value	2b	1,610,681

3 Funding target/participant count breakdown:

	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	0	0	0
b For terminated vested participants	20	221,851	221,851
c For active participants	20	1,026,430	1,026,430
d Total	40	1,248,281	1,248,281

4 If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐

	4a	4b
a Funding target disregarding prescribed at-risk assumptions		
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		

5 Effective interest rate **5** **6.27 %****6** Target normal cost **6** **0****Statement by Enrolled Actuary**

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

**SIGN
HERE**

Signature of actuary

Hans Nienaber

Type or print name of actuary

Cuni, Rust & Strenk, Inc.

Firm name

4555 Lake Forest Drive**Suite 620****US Cincinnati****OH 45242**

Address of the firm

10/11/2018

Date

17-05737

Most recent enrollment number

(513) 985-6164

Telephone number (including area code)

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

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

Schedule SB (Form 5500) 2017
v. 170203

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>5.52</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)		446,191
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>6.44</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 ..		446,191
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	129.03 %
15 Adjusted funding target attainment percentage	15	129.03 %
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	96.60 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

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

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ▶			18(b)		18(c)

19 Discounted employer contributions -- see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date ..	19c	0

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year?	☐ Yes ☒ No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☐ Yes ☐ No
c If line 20a is "Yes," see instructions and complete the following table as applicable:	

Liquidity shortfall as of end of quarter of this plan year

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

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

21 Discount rate:			
a Segment rates:	1st segment: 4.16 %	2nd segment: 5.72 %	3rd segment: 6.48 %
			☐ N/A, full yield curve used
b Applicable month (enter code)			21b 0
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	0
b Excess assets, if applicable, but not greater than line 31a		31b	0
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	0	0	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount		33	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)		34	0
	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	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)		37	0
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)		38a	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances		38b	0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)		39	0
40 Unpaid minimum required contributions for all years		40	0

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

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