

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 1.5em; font-weight: bold;">2019</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2019 or fiscal plan year beginning <u>01/01/2019</u> and ending <u>12/31/2019</u>	
A	This return/report is for: <div style="display: flex; justify-content: space-between;"> <div> ☐ a multiemployer plan </div> <div> ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) </div> </div>
	☒ a single-employer plan <div style="margin-left: 100px;">☐ a DFE (specify) _____</div>
B	This return/report is: <div style="display: flex; justify-content: space-between;"> <div> ☐ the first return/report ☐ an amended return/report </div> <div> ☐ the final return/report ☐ a short plan year return/report (less than 12 months) </div> </div>
C	If the plan is a collectively-bargained plan, check here. ▶ ☒
D	Check box if filing under: <div style="display: flex; justify-content: space-between;"> <div> ☒ Form 5558 ☐ special extension (enter description) </div> <div> ☐ automatic extension </div> <div> ☐ the DFVC program </div> </div>

Part II	Basic Plan Information —enter all requested information						
1a	Name of plan <u>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC PENSION PLAN FOR NON-SALARIED EMPLOYEES AT EAST LANSING, MICHIGAN</u>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">1b</td> <td>Three-digit plan number (PN) ▶ <u>003</u></td> </tr> <tr> <td>1c</td> <td>Effective date of plan <u>02/14/1980</u></td> </tr> </table>	1b	Three-digit plan number (PN) ▶ <u>003</u>	1c	Effective date of plan <u>02/14/1980</u>		
1b	Three-digit plan number (PN) ▶ <u>003</u>						
1c	Effective date of plan <u>02/14/1980</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>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC</u> <u>10003 WOODLOCH FOREST DRIVE</u> <u>THE WOODLANDS, TX 77380</u>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">2b</td> <td>Employer Identification Number (EIN) <u>52-2215309</u></td> </tr> <tr> <td>2c</td> <td>Plan Sponsor's telephone number <u>281-719-6000</u></td> </tr> <tr> <td>2d</td> <td>Business code (see instructions) <u>325200</u></td> </tr> </table>	2b	Employer Identification Number (EIN) <u>52-2215309</u>	2c	Plan Sponsor's telephone number <u>281-719-6000</u>	2d	Business code (see instructions) <u>325200</u>
2b	Employer Identification Number (EIN) <u>52-2215309</u>						
2c	Plan Sponsor's telephone number <u>281-719-6000</u>						
2d	Business code (see instructions) <u>325200</u>						

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	10/05/2020	JENA STEM
	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

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

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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 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
5 Total number of participants at the beginning of the plan year	5 77
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 26 6a(2) 23 6b 29 6c 16 6d 68 6e 6 6f 74 6g 6h 1
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1B 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
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

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

b General Schedules

- (1) ☐ **H** (Financial Information)
- (2) ☒ **I** (Financial Information – Small Plan)
- (3) ☐ 0 **A** (Insurance Information)
- (4) ☐ **C** (Service Provider Information)
- (5) ☒ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2019 Form M-1 annual report. If the plan was not required to file the 2019 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2019 This Form is Open to Public Inspection
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For calendar plan year 2019 or fiscal plan year beginning 01/01/2019 and ending 12/31/2019

▶ **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>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC PENSION PLAN FOR NON-SALARIED EMPLOYEES AT EAST LANSING, MICHIGAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC</u>	D Employer Identification Number (EIN) <u>52-2215309</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2019</u>	
2 Assets:	
a Market value	2a <u>6985565</u>
b Actuarial value	2b <u>7309816</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment.....	(1) Number of participants <u>34</u> (2) Vested Funding Target <u>3957519</u> (3) Total Funding Target <u>3957519</u>
b For terminated vested participants.....	<u>17</u> <u>760150</u> <u>760150</u>
c For active participants	<u>26</u> <u>2648210</u> <u>2808954</u>
d Total.....	<u>77</u> <u>7365879</u> <u>7526623</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor.....	4b
5 Effective interest rate	5 <u>5.57</u> %
6 Target normal cost.....	6 <u>176311</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>DEAN M CRAWFORD</u>	<u>09/22/2020</u> Date <u>20-07158</u>
Type or print name of actuary <u>WILLIS TOWERS WATSON US LLC</u>	Most recent enrollment number <u>214-530-4495</u>
Firm name <u>500 NORTH AKARD STREET</u> <u>SUITE 4300</u> <u>DALLAS, TX 75201</u>	Telephone number (including area code)
Address of the firm	

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

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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>-4.44</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)		94131
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>5.74</u> %		5403
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		99534
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	97.11 %
15 Adjusted funding target attainment percentage	15	97.11 %
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	99.52 %
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
04/15/2019	50000	0	09/15/2020	95000	0
07/15/2019	50000	0			
10/15/2019	50000	0			
01/15/2020	50000	0			
04/15/2020	60000	0			
07/15/2020	60000	0			
Totals ▶			18(b)	415000	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	390713
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:
3.74 %2nd segment:
5.35 %3rd segment:
6.11 %☐ 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** 176311**b** Excess assets, if applicable, but not greater than line 31a **31b** 0**32** Amortization installments:**a** Net shortfall amortization installment Outstanding Balance 216807 Installment 35883**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** 212194

	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** 212194**37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) **37** 390713**38** Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36) **38a** 178519**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

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 2019 This Form is Open to Public Inspection.
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For calendar plan year 2019 or fiscal plan year beginning 01/01/2019 and ending 12/31/2019

A Name of plan <u>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC PENSION PLAN FOR NON-SALARIED EMPLOYEES AT EAST LANSING, MICHIGAN</u>	B Three-digit plan number (PN) ►	<u>003</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC</u>	D Employer Identification Number (EIN) <u>52-2215309</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: HUNTSMAN GROUP PLANS MASTER TRUST

b Name of sponsor of entity listed in (a): HUNTSMAN INTERNATIONAL LLC

c EIN-PN <u>87-0630358-013</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>7862468</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)
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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):

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

SCHEDULE I (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information—Small Plan 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
		2019
		This Form is Open to Public Inspection

For calendar plan year 2019 or fiscal plan year beginning 01/01/2019 and ending 12/31/2019	
A Name of plan HUNTSMAN ADVANCED MATERIALS AMERICAS LLC PENSION PLAN FOR NON-SALARIED EMPLOYEES AT EAST LANSING, MICHIGAN	B Three-digit plan number (PN) ► 003
C Plan sponsor's name as shown on line 2a of Form 5500 HUNTSMAN ADVANCED MATERIALS AMERICAS LLC	D Employer Identification Number (EIN) 52-2215309

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

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

1 Plan Assets and Liabilities:		(a) Beginning of Year	(b) End of Year
a Total plan assets	1a	6997060	8127468
b Total plan liabilities	1b		
c Net plan assets (subtract line 1b from line 1a)	1c	6997060	8127468
2 Income, Expenses, and Transfers for this Plan Year:		(a) Amount	(b) Total
a Contributions received or receivable:			
(1) Employers.....	2a(1)	415000	
(2) Participants.....	2a(2)		
(3) Others (including rollovers)	2a(3)		
b Noncash contributions	2b		
c Other income.....	2c	1081771	
d Total income (add lines 2a(1), 2a(2), 2a(3), 2b, and 2c)	2d		1496771
e Benefits paid (including direct rollovers)	2e	366363	
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Administrative service providers (salaries, fees, and commissions)	2h		
i Other expenses	2i		
j Total expenses (add lines 2e, 2f, 2g, 2h, and 2i).....	2j		366363
k Net income (loss) (subtract line 2j from line 2d)	2k		1130408
l Transfers to (from) the plan (see instructions)	2l		

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

Part II Compliance Questions

4 During the plan year:	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)			
4a		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of plan year or classified during the year as uncollectible? Disregard participant loans secured by the participant's account balance.			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible?			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a.)			
4d		X	
e Was the plan covered by a fidelity bond?	X		20000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?			
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan at any time hold 20% or more of its assets in any single security, debt, mortgage, parcel of real estate, or partnership/joint venture interest?			
4i		X	
j Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4j		X	
k Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? If "No," attach an IQPA's report or 2520.104-50 statement. (See instructions on waiver eligibility and conditions.)			
4k	X		
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No
 If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined.
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4232343. (See instructions.)

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2019 This Form is Open to Public Inspection.
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For calendar plan year 2019 or fiscal plan year beginning 01/01/2019 and ending 12/31/2019

A Name of plan <u>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC PENSION PLAN FOR NON-SALARIED EMPLOYEES AT EAST LANSING, MICHIGAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>HUNTSMAN ADVANCED MATERIALS AMERICAS LLC</u>	D Employer Identification Number (EIN) <u>52-2215309</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>23-3060382</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>0</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
-----------------	-------------------

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

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

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

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

Schedule R (Form 5500) 2019
v. 190130

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

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

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

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

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

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

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

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

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☒ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2019

Attained Age	Attained Years of Credited Service ¹										Total
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
Under 25	0	0	0	0	0	0	0	0	0	0	0
25-29	1	1	0	0	0	0	0	0	0	0	2
30-34	0	1	0	0	0	0	0	0	0	0	1
35-39	0	0	0	0	0	0	0	0	0	0	0
40-44	0	1	1	0	0	1	0	0	0	0	3
45-49	0	0	0	0	0	2	0	0	0	0	2
50-54	0	0	0	1	1	1	3	2	0	0	8
55-59	0	0	0	0	2	2	1	0	0	0	5
60-64	0	0	0	0	0	1	2	1	0	1	5
65-69	0	0	0	0	0	0	0	0	0	0	0
70 & over	0	0	0	0	0	0	0	0	0	0	0
Total	1	3	1	1	3	7	6	3	0	1	26

¹ Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
 EIN / PN: 52-2215309/003
 Plan Sponsor: Huntsman Advanced Materials Americas LLC
 Valuation Date: January 1, 2019

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

- | | |
|-----------------------|--|
| ■ Applicable month | September 2018 |
| ■ Interest rate basis | IRC §430 Funding Segment Rates
(24-month average) |

Interest rates:

	Reflecting Stabilization	Not Reflecting Stabilization
■ First segment rate	3.74%	2.28%
■ Second segment rate	5.35%	3.81%
■ Third segment rate	6.11%	4.46%
■ Effective interest rate	5.57%	4.04%

Annual rates of increase

- | | |
|----------------|-------|
| ■ Compensation | 3.50% |
|----------------|-------|

Rates not reflecting stabilization are used to determine PBGC variable rate premiums if the alternative method is used, and are used for purposes of determining the deductible limit, the PBGC FTAP and the PBGC 4010 FS.

Demographic Assumptions

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

Mortality Separate rates for non-annuitants (based on RP-2014 "Employees" table without collar or amount adjustments, adjusted backward to 2006 with MP-2014, and then projected forward with a static projection as specified in the regulations under §1.430(h)(3)-1 using Scale MP-2017) and annuitants (based on RP-2014 "Healthy Annuitants" table without collar or amount adjustments, adjusted backward to 2006 with MP-2014, and then projected forward with a static projection as specified in the regulations under §1.430(h)(3)-1 using Scale MP-2017).

Plan Name:	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN:	52-2215309/003
Plan Sponsor:	Huntsman Advanced Materials Americas LLC
Valuation Date	January 1, 2019

SCHEDULE SB ATTACHMENTS

Termination

Rates varying by age and gender. Termination Table T-3 from the Actuary's Handbook for males. Termination Table T-3 from the Actuary's Handbook setback five years for females.

Sample Termination Rates

Percentage leaving during the year		
Attained Age	Males	Females
25	5.27%	6.58%
40	3.84%	4.47%
55	0.33%	1.52%

Disability

None

Retirement

Rates varying by age, average retirement age 62.

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.

Percentage retiring during the year	
Age	Rate
60	30%
61	30%
62	50%
63	20%
64	20%
65	100%

New or rehired employees

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

Benefit commencement date:

- **Preretirement death benefit** Surviving spouse beneficiary benefits commence at the later of the death of the active participant or the date the participant would have been eligible for early retirement.
- **Deferred vested benefit** Upon termination of employment
- **Retirement benefit** Upon termination of employment

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019

SCHEDULE SB ATTACHMENTS

Form of payment	50% of participants are assumed to elect a lump sum form of payment and 50% are assumed to elect a life annuity form of payment under the plan when eligible. Lump sums were valued using the substitution of annuity form under IRS Regulation §1.430(d)-1(f)(4) without application of generational mortality.
Percent married	80%
Spouse age	Wife two years younger than husband
Administrative expense	Equal to actual 2018 plan expenses adjusted for expected PBGC premiums and excluding investment management fees (\$80,000).
At-risk assumptions	For at-risk calculations, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually the lump sum form of payment.
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.

Plan Name:	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN:	52-2215309/003
Plan Sponsor:	Huntsman Advanced Materials Americas LLC
Valuation Date	January 1, 2019

SCHEDULE SB ATTACHMENTS

Actuarial value of assets for determining minimum required contributions

Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, 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 prior 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 except the disability benefit. Based on discussions with Huntsman, such benefits are considered to have a de minimis likelihood of being paid and thus are not required to be valued, and will not be valued, until and unless the triggering event occurs. Willis Towers Watson has reviewed the plan provisions with Huntsman and, based on that review, is not aware of any significant benefits required to be valued that were not.

The plan pays small benefits (with a present value up to \$5,000 in a single lump sum payment). Such lump sums are not explicitly valued; rather such participants' benefits are valued using the benefit choice assumptions described above.

Plan Name:	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN:	52-2215309/003
Plan Sponsor:	Huntsman Advanced Materials Americas LLC
Valuation Date	January 1, 2019

SCHEDULE SB ATTACHMENTS

Data Sources

The Willis Towers Watson administrative team furnished participant data as of 1/1/2019. Information on assets, contributions and plan provisions was supplied by the plan sponsor. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Data Assumptions

- For active participants missing salary information, we assumed salary to be \$50,000 for the pre-retirement death benefit.

Accumulated other comprehensive (income)/loss amounts shown in the report are shown prior to adjustment for deferred taxes. Any deferred tax effects in AOCI should be determined in consultation with Huntsman's tax advisors and auditors. Willis Towers Watson used information supplied by Huntsman regarding the postretirement benefit asset, postretirement benefit liability, and amounts recognized in accumulated other comprehensive income as of the end of the 2018 fiscal year.

Assumptions Rationale - Significant Economic Assumptions for Contributions

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".
Administrative expenses	As required by regulations, plan-related expenses are calculated by estimating the expenses to be paid from the trust during the coming year (including, for example, expected PBGC premiums and actuarial, accounting, legal, administration and trustee fees to be paid from the trust).

Plan Name:	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN:	52-2215309/003
Plan Sponsor:	Huntsman Advanced Materials Americas LLC
Valuation Date	January 1, 2019

SCHEDULE SB ATTACHMENTS

Assumptions Rationale - Significant Demographic Assumptions

Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	Assumed termination rates differ by age and gender, based on expected differences in termination rates by gender.
Disability	No separate disability rate is assumed as this is not a material assumption for this plan.
Retirement	Retirement rates are based on plan sponsor expectations for the future, with periodic monitoring of gains and losses caused by retirement patterns different than assumed.
Benefit commencement date for deferred benefits:	
■ Preretirement death benefit	Surviving spouses are assumed to begin benefits at the earliest permitted commencement date because ERISA requires benefits to start then unless the spouse elects to defer. If the spouse elects to defer, actuarial increases from the earliest commencement date must be given, so that a later commencement date is expected to be of approximately equal value.
■ Deferred vested benefit	Participants are assumed to commence at the earliest opportunity (the later of age 55 or date of termination). Reductions for early commencement are close to actuarial equivalent rates so the impact of the assumption is not expected to be significant.
Form of payment	The form of payment assumption is based on observed experience.
Marital Assumptions	
■ Percent married	The percent married assumption is based on plan sponsor expectations for the future.
■ Spouse age	The spouse age assumption is based on plan sponsor expectations for the future.

Source of Prescribed Methods

Plan Name:	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN:	52-2215309/003
Plan Sponsor:	Huntsman Advanced Materials Americas LLC
Valuation Date	January 1, 2019

SCHEDULE SB ATTACHMENTS

Funding methods

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

Changes in Assumptions and Methods

Change in assumptions for contributions since prior valuation

The mortality table used to calculate the funding target and target normal cost was updated to reflect the new tables, based on RP-2014 and subsequent Society of Actuaries studies, published by the IRS in October 2017 in regulation §1.430(h)(3)-1.

The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC §430.

The lump sum interest rates and mortality assumptions were updated to reflect the applicable segment and mortality rates as required by IRC §430.

Change in methods since prior valuation

There have been no changes in methods since prior valuation.

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019

**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

2019**This Form is Open to Public
Inspection**For calendar plan year 2019 or fiscal plan year beginning 01/01/2019 and ending 12/31/2019▶ **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 Huntsman Advanced Materials Americas LLC Pension Plan for Non-Salaried Employees at East Lansing, Michigan		B Three-digit plan number (PN) ▶ 003
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Huntsman Advanced Materials Americas LLC		D Employer Identification Number (EIN) 52-2215309
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B		
F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500		

Part I Basic Information

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2019</u>			
2 Assets:			
a Market value.....		2a	6,985,565
b Actuarial value		2b	7,309,816
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	34	3,957,519	3,957,519
b For terminated vested participants	17	760,150	760,150
c For active participants	26	2,648,210	2,808,954
d Total	77	7,365,879	7,526,623
4 If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐			
a Funding target disregarding prescribed at-risk assumptions.....		4a	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor		4b	
5 Effective interest rate		5	5.57%
6 Target normal cost		6	176,311

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

Jean M Crawford

Type or print name of actuary

Willis Towers Watson US LLC

Firm name

500 North Akard Street
Suite 4300
Dallas TX 75201

Address of the firm

Date

9-22-2020
2007158

Most recent enrollment number

214-530-4495

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) 2019
v. 190130**

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>-4.44%</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).....		94,131
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>5.74%</u>		
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		5,403
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.....		99,534
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
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14	Funding target attainment percentage	14	97.11%
15	Adjusted funding target attainment percentage	15	97.11%
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	99.52%
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
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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	
04/15/2019	50,000	0				
07/15/2019	50,000	0				
10/15/2019	50,000	0				
01/15/2020	50,000	0				
04/15/2020	60,000	0				
07/15/2020	60,000	0				
09/15/2020	95,000	0				
			Totals ►	18(b)	415,000	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.....						0
b	Contributions made to avoid restrictions adjusted to valuation date						0
c	Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....						390,713

20	Quarterly contributions and liquidity shortfalls:		19C	390,713
a	Did the plan have a "funding shortfall" for the prior year?			
b	If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☒ Yes ☐ No		

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: 3.74 %	2nd segment: 5.35 %	3rd segment: 6.11 %
			☐ 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	176,311	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	216,807	35,883	
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	212,194	
	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	212,194	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	390,713	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	178,519	
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

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Huntsman Advanced Materials Americas LLC
EIN/PN	52-2215309/003
Plan Name	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
Valuation Date	January 1, 2019
Enrolled Actuary	Dean M. Crawford, F.S.A., E.A.
Enrollment Number	20-07158

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, 2019

Methodology Used to Compute the Weighted Average Retirement Age
(Assuming a Hypothetical Group of Active Participants)

(1) Age	(2) Exposure	(3) Retirement Rate Decrement	(4) Number Retired at Age (2)*(3)	(5) (1)*(4)
60	1,000	30%	300	18,000
61	700	30%	210	12,810
62	490	50%	245	15,190
63	245	20%	49	3,087
64	196	20%	39	2,509
65	157	100%	157	10,192
				61,788

Weighted Average Age at Retirement: /1000 **62**

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried
Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

Plan Provisions

The most recent amendment, the Fourth Amendment, reflected in the following plan provisions was adopted October 2017.

Covered employees Employees covered by the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America, AFL-CIO, and Local No. 724, Ciba Specialty Chemicals Corporation Unit.

Participation date Upon date of employment

Definitions

Vesting service Vesting service will be credited according to the following schedule:

<i>Hours Worked During Calendar Year</i>	<i>Service Credited</i>
0 – 79	0.1
80 – 279	0.2
280 – 479	0.3
480 – 679	0.4
680 – 879	0.5
880 – 990	0.6
1,000 or more	1.0

Pension service Years and months of service as a covered employee

Pensionable pay Regular salary, overtime, shift differential, incentive plan payouts and elective deferrals

Social Security benefit The projected amount of the participant's primary Social Security benefit according to the law in effect at the date of termination of employment assuming continuation of then current earnings to age 65

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019

SCHEDULE SB ATTACHMENTS

Normal retirement date (NRD) First of month coinciding with or next following the attainment of age 65 with five years of pension service

Monthly pension benefit The frozen normal monthly retirement benefit as of August 31, 2006 shall be equal to the product of the years of Credited Service multiplied by the applicable Pension Rate based on the Participant's Wage Classification in effect 18 months prior to August 31, 2006. In the event of a reduction of the participant's wage classification within three years of September 1, 2006 the prior wage classification will be used to calculate the monthly pension benefit.

<i>Wage Classification</i>	<i>Pension Rate</i>
Production 1	\$44.57
Production 2	48.89
Production 3	50.36
Production 4	51.89
Maintenance 1	51.33
Maintenance 2	54.06
Maintenance 3	58.11
Maintenance 4	61.48

The normal monthly retirement benefit for service after August 31, 2006 shall be equal to the product of the years of Credited Service after August 31, 2006 multiplied by \$52 (for terminations and retirements prior to March 31, 2017, this factor was \$44).

Eligibility for Benefits

Normal retirement	Retirement on NRD
Early retirement	Retirement before NRD and on or after both attaining age 55 and completing ten years of vesting service
Supplemental early retirement benefit	Eligible for early retirement and terminates between ages 60 and NRD (not available to new retirees starting 9/1/2006)
Postponed retirement	Retirement after NRD

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019

SCHEDULE SB ATTACHMENTS

Deferred vested termination	Termination for reasons other than death or retirement after completing five years of vesting service
Disability	Termination due to permanent and total disability after completing ten years of vesting service.
Preretirement death benefit	Death of an active employee with a surviving spouse or a beneficiary.

Benefits Paid Upon the Following Events

Normal retirement	The monthly pension benefit determined as of NRD
Early retirement	The monthly pension benefit based on credited service earned after August 31, 2006 is reduced 0.5% per year from age 60 and the monthly pension benefit based on credited service earned before September 1, 2006 is reduced 3.0% per year from age 62.
Postponed retirement	Monthly pension benefit determined as of actual retirement date reduced by the actuarial equivalent amount of benefits already received.
Deferred vested termination	Monthly pension benefit determined as of termination date, reduced actuarially for each year of payment the benefit commencement date precedes the participant's NRD. Only payable before NRD if employee is age 55 with 10 years of vesting service.
Disablement	An eligible Participant's monthly disability retirement benefit shall be equal to his Accrued Benefit adjusted for date of commencement plus \$3.00 times Credited Service.
Death with preretirement spouse benefits	
■ Surviving spouse	60% of monthly pension benefit determined as of the date of death payable as a 60% joint and survivor form of income payable immediately.

Plan Name:	Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN:	52-2215309/003
Plan Sponsor:	Huntsman Advanced Materials Americas LLC
Valuation Date	January 1, 2019

SCHEDULE SB ATTACHMENTS

■ Beneficiary

If participant had more than 0.3 years of service, but less than 2 years, the beneficiary will receive one-half the participant's Average Annual Compensation payable immediately.

If the participant had at least two years of service, the beneficiary will receive the participant's Average Annual Compensation payable immediately.

Other Plan Provisions

Forms of payment

Preretirement spouse benefits are payable only as described above. Monthly pension benefits are paid as a life annuity, contingent annuity, certain and life annuity or lump sum.

Actuarial Equivalence

Converts optional forms of payment to the same actuarial present value as the benefit it replaces, based on an interest rate of 6.0% per year compounded annually and the 1971 TPF&C Forecast Mortality Table using 5/6th male rates and 1/6th female rates.

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.

Future Plan Changes

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

Changes in Benefits Valued Since Prior Year

None.

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2019

Type of Base	Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
1. Shortfall	01/01/2019	186,949	7.00000	186,949	30,377
2. Shortfall	01/01/2018	33,729	6.00000	29,858	5,506
Total				216,807	35,883

Plan Name: Huntsman Advanced Materials Americas LLC Pension Plan For Non-Salaried Employees At East Lansing, Michigan
EIN / PN: 52-2215309/003
Plan Sponsor: Huntsman Advanced Materials Americas LLC
Valuation Date: January 1, 2019