

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 2018 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan	☐ a DFE (specify) ____	
B	This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ☒		
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ special extension (enter description)	☐ the DFVC program

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>HOUGHTON INTERNATIONAL INC. TAX ADVANTAGED CAPITAL ACCUMULATION PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>014</u>
		1c	Effective date of plan <u>11/01/1984</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>HOUGHTON INTERNATIONAL INC</u> <u>PO BOX 930</u> <u>VALLEY FORGE, PA 19482-0930</u>	2b	Employer Identification Number (EIN) <u>23-0712270</u>
		2c	Plan Sponsor's telephone number <u>610-666-4000</u>
		2d	Business code (see instructions) <u>325900</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.	10/15/2019	DEBBIE LYNN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2019	DEBBIE LYNN
	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.

Form 5500 (2018)
v. 171027

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	5 531
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	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div> 6a(1) 424 6a(2) 432 6b 0 6c 103 6d 535 6e 3 6f 538 6g 534 6h 10
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: 2E 2G 2J 2K 2S 2T 3D b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor

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

a Pension Schedules

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

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☒ 1 **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 2018 Form M-1 annual report. If the plan was not required to file the 2018 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 A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance 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. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018	
A Name of plan HOUGHTON INTERNATIONAL INC. TAX ADVANTAGED CAPITAL ACCUMULATION PLAN	B Three-digit plan number (PN) ▶ 014
C Plan sponsor's name as shown on line 2a of Form 5500 HOUGHTON INTERNATIONAL INC	D Employer Identification Number (EIN) 23-0712270

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier PRINCIPAL LIFE INSURANCE COMPANY
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(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
42-0127290	61271	388165	538	01/01/2018	12/31/2018

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid 33294	(b) Total amount of fees paid 0
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid MARSH INS & INVESTMENTS CORP 4 CHASE METROTECH CTR FL 7E LB26945 BROOKLYN, NY 11245-0001
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
33294	0		3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	0
5 Current value of plan's interest under this contract in separate accounts at year end	5	36867070

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

b Premiums paid to carrier.....	6b	
c Premiums due but unpaid at the end of the year.....	6c	
d If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount. Specify nature of costs ▶	6d	

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☒ other ▶ FLEXIBLE INVESTMENT ANNUITY

b Balance at the end of the previous year.....	7b	
c Additions: (1) Contributions deposited during the year	7c(1)	
(2) Dividends and credits	7c(2)	
(3) Interest credited during the year	7c(3)	
(4) Transferred from separate account.....	7c(4)	
(5) Other (specify below)	7c(5)	
(6) Total additions.....	7c(6)	
d Total of balance and additions (add lines 7b and 7c(6))	7d	
e Deductions:		
(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	
(2) Administration charge made by carrier	7e(2)	
(3) Transferred to separate account.....	7e(3)	
(4) Other (specify below)	7e(4)	
(5) Total deductions.....	7e(5)	
f Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	0

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount	10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

<div>SCHEDULE C</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Service Provider Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan HOUGHTON INTERNATIONAL INC. TAX ADVANTAGED CAPITAL ACCUMULATION PLAN	B Three-digit plan number (PN) ▶	014
C Plan sponsor's name as shown on line 2a of Form 5500 HOUGHTON INTERNATIONAL INC	D Employer Identification Number (EIN) 23-0712270	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
PRINCIPAL LIFE INSURANCE COMPANY
42-0127290

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

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

MMC SECURITIES LLC

06-1685865

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 99	OTHER SERVICES	0	Yes ☒ No ☐	Yes ☐ No ☒	11056	Yes ☐ No ☒

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

MARSH INS & INVESTMENTS CORP

52-2189187

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 55	OTHER SERVICES	0	Yes ☒ No ☐	Yes ☐ No ☒	5281	Yes ☐ No ☒

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

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 37 50 64	CONTRACT ADMINISTRATOR	16778	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

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

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

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

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

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

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

Part I Service Provider Information (continued)

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

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MMC SECURITIES LLC	49 99	11056
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PRINCIPAL LIFE INSURANCE COMPANY 42-0127290	REFERRAL/SERVICE FEE	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
MARSH INS & INVESTMENTS CORP	49 55	5281
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PRINCIPAL LIFE INSURANCE COMPANY 42-0127290	COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

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

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>HOUGHTON INTERNATIONAL INC. TAX ADVANTAGED CAPITAL ACCUMULATION PLAN</u>	B Three-digit plan number (PN) ►	<u>014</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>HOUGHTON INTERNATIONAL INC</u>	D Employer Identification Number (EIN) <u>23-0712270</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN INTL SMALLCAP SEP ACCT-I2</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-014</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>481906</u>	
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN CORE PLUS BOND SEP ACT-I4</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-005</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1285395</u>	
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN LGCAP S&P 500 INDEX SA-I3</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-016</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>4598715</u>	
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN SMCAP S&P 600 INDEX SA-I3</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-028</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1230420</u>	
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN MIDCAP S&P 400 IDX SA-I3</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-023</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1359628</u>	
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN LIFETM 2010 SEP ACCT-I3</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-075</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>195364</u>	
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN LIFETM 2020 SEP ACCT-I3</u>			
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>			
c EIN-PN <u>42-0127290-076</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>4589354</u>	

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2030 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-077	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 5566299
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2040 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-078	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2414290
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2050 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-079	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1412495
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM STR INC SA-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-080	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 135066
a Name of MTIA, CCT, PSA, or 103-12 IE: PRINCIPAL STABLE VALUE SELECT		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 93-6274328-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 6606666
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN INFLATION PROTECT SA-R6		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-099	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 761699
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2015 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-110	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1661145
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2025 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-111	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 4729897
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2035 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-112	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3621940
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2045 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-113	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1186168

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2055 SEP ACCT-I3

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-114	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 360162
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN EQUITY INCOME SA-I3

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-120	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1102351
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2060 SEP ACCT-I3

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-130	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 172712
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2065 SEP ACCT-I3

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-173	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2065
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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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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**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018	
A Name of plan HOUGHTON INTERNATIONAL INC. TAX ADVANTAGED CAPITAL ACCUMULATION PLAN	B Three-digit plan number (PN) ► 014
C Plan sponsor's name as shown on line 2a of Form 5500 HOUGHTON INTERNATIONAL INC	D Employer Identification Number (EIN) 23-0712270

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	2174393	2176354
(2) Participant contributions	1b(2)	0	0
(3) Other.....	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans.....	1c(8)	881695	950966
(9) Value of interest in common/collective trusts	1c(9)	5579030	6606666
(10) Value of interest in pooled separate accounts	1c(10)	39199326	36867070
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	11150842	10721253
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other	1c(15)		

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	58985286	57322309

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	58985286	57322309
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Part II Income and Expense Statement

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

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	2176354	
(B) Participants	2a(1)(B)	3420131	
(C) Others (including rollovers)	2a(1)(C)	21639	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		5618124
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	0	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	47314	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		47314
(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	47955	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		47955
(3) Rents	2b(3)		0
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		43911
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		-2717756
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		-531467
c Other income.....	2c		0
d Total income. Add all income amounts in column (b) and enter total.....	2d		2508081

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	4154279	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		4154279
f Corrective distributions (see instructions)	2f		0
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)	0	
(2) Contract administrator fees.....	2i(2)	16779	
(3) Investment advisory and management fees.....	2i(3)	0	
(4) Other	2i(4)	0	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		16779
j Total expenses. Add all expense amounts in column (b) and enter total	2j		4171058

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-1662977
l Transfers of assets:			
(1) To this plan.....	2l(1)		0
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

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

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

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

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☒ Yes ☐ No

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

(1) Name: **BAKER TILLY VIRCHOW KRAUSE, LLP**

(2) EIN: **39-0859910**

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

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

Part IV Compliance Questions

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

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

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

	Yes	No	Amount
4a		X	0
4b		X	0

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	0
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.).....	4d		X	0
e Was this plan covered by a fidelity bond?	4e	X		5000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?.....	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		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 _____. (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 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>HOUGHTON INTERNATIONAL INC. TAX ADVANTAGED CAPITAL ACCUMULATION PLAN</u>	B Three-digit plan number (PN) ▶ <u>014</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>HOUGHTON INTERNATIONAL INC</u>	D Employer Identification Number (EIN) <u>23-0712270</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>42-0127290</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	

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

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☐ No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

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

Schedule R (Form 5500) 2018
v. 171027

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

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****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

b The corresponding number for the second preceding plan year

15a**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

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

16a**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):

**Houghton International Inc.
Tax Advantaged Capital Accumulation Plan**

Financial Statements and
Supplementary Information

December 31, 2018 and 2017

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

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December 31, 2018 and 2017

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Independent Auditors' Report

To the Participants and Plan Administrator of
Houghton International Inc.
Tax Advantaged Capital Accumulation Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Houghton International Inc. Tax Advantaged Capital Accumulation Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017 and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

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

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), the plan administrator instructed us not to perform and we did not perform, any auditing procedures with respect to the information summarized in Note 6, which was certified by Delaware Charter Guarantee and Trust Company d/b/a Principal Trust Company, the custodian of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the custodian holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the custodian as of December 31, 2018 and 2017 and for the years then ended, that the information provided to the plan administrator by the custodian is complete and accurate.

Disclaimer of Opinion

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

Other Matter

The supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2018 is required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on this supplemental schedule.

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

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

Baker Tilly Virchow Krause, LLP

Philadelphia, Pennsylvania
October 11, 2019

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Statements of Net Assets Available for Benefits

December 31, 2018 and 2017

	<u>2018</u>	<u>2017</u>
Assets		
Investments at fair value	\$ 54,194,989	\$ 55,929,198
Receivables:		
Employer contribution	2,176,354	2,174,393
Notes receivable from participants	<u>950,966</u>	<u>881,695</u>
Total receivables	<u>3,127,320</u>	<u>3,056,088</u>
Total assets	57,322,309	58,985,286
Liabilities	<u>-</u>	<u>-</u>
Net assets available for benefits	<u>\$ 57,322,309</u>	<u>\$ 58,985,286</u>

See notes to financial statements

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Statements of Changes in Net Assets Available for Benefits

Years Ended December 31, 2018 and 2017

	<u>2018</u>	<u>2017</u>
Additions		
Investment (loss) income:		
Net (depreciation) appreciation in fair value of investments	\$ (3,834,970)	\$ 7,730,418
Interest and dividends	<u>677,613</u>	<u>379,233</u>
Net investment (loss) income	<u>(3,157,357)</u>	<u>8,109,651</u>
Interest income on notes receivable from participants	<u>47,314</u>	<u>36,046</u>
Contributions:		
Participants	3,420,131	3,407,146
Rollovers	21,639	182,681
Employer	<u>2,176,354</u>	<u>2,174,393</u>
Total contributions	<u>5,618,124</u>	<u>5,764,220</u>
Total additions	<u>2,508,081</u>	<u>13,909,917</u>
Deductions		
Benefits paid to participants	4,154,279	4,384,216
Administrative expenses	<u>16,779</u>	<u>17,750</u>
Total deductions	<u>4,171,058</u>	<u>4,401,966</u>
Net (decrease) increase	(1,662,977)	9,507,951
Net Assets Available for Benefits		
Beginning of year	<u>58,985,286</u>	<u>49,477,335</u>
End of year	<u>\$ 57,322,309</u>	<u>\$ 58,985,286</u>

See notes to financial statements

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Notes to Financial Statements

December 31, 2018 and 2017

1. Description of the Plan

The following description of the Houghton International Inc. Tax Advantaged Capital Accumulation Plan (the "Plan") provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution profit-sharing plan covering substantially all U.S. employees of Houghton International Inc. (the "Company") who have completed thirty days of service, and employees who have completed one year of service and who are not included in a collective bargaining unit, unless the bargaining agreement provides for coverage, are eligible for Company contributions as approved by the Houghton International, Inc. Retirement Plan Committee. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"). The plan document was restated effective January 1, 2015 to incorporate all amendments to that date.

On December 20, 2012, GHG Lubricants Holdings Limited, through a series of transactions created a newly-formed entity, GH Holdings Inc., acquired all of the common stock of Houghton International, Inc. and became the parent company. There were no amendments to the plan document or change in those charged with governance of the Plan as a result of the transactions.

Contributions

Each year, participants in the Plan may elect to contribute a portion of their pretax compensation, as defined by the plan document. Effective January 1, 2008, the Plan implemented automatic enrollment for eligible employees. Effective January 1, 2014, employees hired on or after January 1, 2014 are automatically enrolled to defer 6 percent, unless the employee elects a different deferral percentage or chooses not to defer. Unless a different deferral percentage was selected by the employee, the deferral percentage will be automatically increased each April 1 by 1 percent, up to a maximum deferral percentage of 10 percent. Participants may contribute up to 75 percent of their eligible compensation to the Plan, up to the Internal Revenue Code ("IRC") maximum annual limitations.

Participants direct all contributions into various investment options offered by the Plan. Participants may also make rollover contributions representing distributions from other qualified defined benefit or defined contribution plans. Contributions are subject to certain limitations. Participant contributions may be made on a pretax basis or after tax Roth deferrals.

The Company, at the discretion of the Board of Directors, may make matching contributions to the Plan of up to 50 percent of the salary withholding contributions made by participants, limited to 6 percent of each participant's compensation. Effective January 1, 2009, the Company adopted an amendment to the Plan to state that the Company may make profit sharing contributions for participants who are not covered by a collective bargaining agreement, and who have more than one year of credited service based on eligible entry date of January 1 or July 1 each year. Such contributions are made at the discretion of the Board of Directors, and may be up to 3 percent of the participant's eligible compensation. In 2018 and 2017, the Company elected to make matching contributions to the Plan of \$1,043,801 and \$1,085,625 and additional profit sharing contributions of \$1,132,553 and \$1,088,768, respectively.

Participant Accounts

Each participant's account is credited with the participant's contribution and allocations of (a) the Company's contributions and (b) the Plan's earnings, and charged with an allocation of administrative expenses that are paid by the Plan. Allocations are based upon participant earnings or account balances, or specific participant transactions, as defined. A participant is entitled to the benefit that can be provided from the participant's vested account.

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Notes to Financial Statements

December 31, 2018 and 2017

Vesting

Participants are fully vested in their contributions plus actual earnings thereon at all times.

Effective January 1, 2008, the Plan was amended so a participant's vesting percentage in Company profit sharing contributions is as follows:

<u>Years of Service</u>	<u>Percentage</u>
Less than 1	0
1	20
2	40
3	60
4	80
5 or more	100

Effective January 1, 2010, the Plan was restated so that a participant vests immediately in matching Company contributions. Participants continue to vest in additional profit sharing contributions as noted in the table above.

Forfeitures

At December 31, 2018 and 2017, forfeited non-vested accounts totaled \$16,421 and \$5,131, respectively. These accounts will be used to reduce future Company contributions and pay administrative expenses. In 2018 and 2017, forfeitures in the amounts of \$4,073 and \$4,918, respectively, were used to reduce Company contributions. Forfeitures of \$1,796 and \$2,890 were used to pay administrative expenses during 2018 and 2017, respectively.

Payment of Benefits

On termination of service for any reason, a participant is eligible to receive a distribution equal to the value of the participant's vested balance in his or her account. The normal form of benefit payment is a lump-sum distribution. In addition, the Plan allows for hardship distributions if certain criteria are met.

Notes Receivable from Participants

Participants may borrow a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50 percent of their vested account balance. Participants may have one note outstanding at any given time. Note terms range from 1 to 5 years or longer for the purchase of a primary residence. The notes are secured by the vested balance in the participant's account and bear interest at a rate commensurate with the rate charged by other lenders for similar notes as determined by the plan administrator. Interest rates ranged from 4.25 percent to 6.50 percent on borrowings outstanding at December 31, 2018. Principal and interest is paid ratably through payroll deductions.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosures of contingent assets and liabilities. Actual results could differ from those estimates.

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Notes to Financial Statements

December 31, 2018 and 2017

Investment Valuation and Income Recognition

The Plan's investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Retirement Plan Committee determines the Plan's valuation policies utilizing information provided by the custodian. See Note 3 for discussion of fair value measurements.

Purchases and sales of securities are recorded on the trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net (depreciation) appreciation includes the gains and losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Related fees are recorded as administrative expenses and are expensed when they are incurred. Interest income is recorded on the accrual basis. No allowance for credit losses has been recorded as of December 31, 2018 and 2017.

Expenses

Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Company. Expenses that are paid by the Company are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net (depreciation) appreciation of fair value of investments.

Payment of Benefits

Benefit payments to participants are recorded when paid.

Recent Accounting Pronouncements

In August 2018, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") No. 2018-13, *Disclosure Framework - Changes to the Disclosure Requirements for Fair Value Measurement*. ASU No. 2018-13 modifies the disclosure requirements for fair value measurements in Topic 820, *Fair Value Measurement*. The amendments are based on the concepts in the FASB Concepts Statement, *Conceptual Framework for Financial Reporting—Chapter 8: Notes to Financial Statements*, which the Board finalized on August 28, 2018. ASU No. 2018-13 is effective for fiscal years beginning after December 15, 2019. Early adoption is permitted. Management is currently assessing the impact that ASU No. 2018-13 will have on the Plan's financial statements.

Subsequent Events

The Plan is due to merge with Quaker Chemical Corporation's Plan effective January 1, 2020.

The Plan has evaluated subsequent events for recognition or disclosure through October 11, 2019, the date the financial statements were available to be issued.

3. Fair Value Measurements

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy under authoritative guidance are described as follows:

Level 1 - Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 - Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, such as:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability;
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 - Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observables and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018 and 2017.

Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-ended mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily net asset value ("NAV") and to transact at the price. The mutual funds held by the Plan are deemed to be actively traded.

Pooled separate accounts ("PSA") are valued based upon the units of such PSA held by the Plan at year end multiplied by the respective unit value. The unit value of the PSA are based upon significant observable inputs, although are not based upon quoted market prices in an active market. The underlying investments of the PSA consist solely of mutual funds, each of which follows a separate investment strategy.

The collective trust fund is valued at the NAV of units of a bank collective trust. The NAV, as provided by the custodian, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. Participant transactions (purchases and sales) may occur daily. Were the Plan to initiate a full redemption of the collective trust, the investment adviser reserves the right to temporarily delay withdrawal from the trust in order to ensure that securities liquidations will be carried out in an orderly business manner.

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Notes to Financial Statements

December 31, 2018 and 2017

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2018 and 2017:

Assets at Fair Value as of December 31, 2018				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 10,721,253	\$ -	\$ -	\$ 10,721,253
Pooled separate accounts	-	36,867,070	-	36,867,070
Total assets in the fair value hierarchy	<u>\$ 10,721,253</u>	<u>\$ 36,867,070</u>	<u>\$ -</u>	47,588,323
Investments measured at net asset value (a)				<u>6,606,666</u>
Investments at fair value				<u>\$ 54,194,989</u>

Assets at Fair Value as of December 31, 2017				
Mutual funds	\$ 11,150,840	\$ -	\$ -	\$ 11,150,840
Pooled separate accounts	-	39,199,328	-	39,199,328
Total assets in the fair value hierarchy	<u>\$ 11,150,840</u>	<u>\$ 39,199,328</u>	<u>\$ -</u>	50,350,168
Investments measured at net asset value (a)				<u>5,579,030</u>
Investments at fair value				<u>\$ 55,929,198</u>

(a) In accordance with Subtopic 820-10, certain investments that were measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the line items presented in the Statements of Net Assets Available for Benefits.

Fair Value of Investments in Entities that Use NAV per Share Practical Expedient

The following table summarizes investments measured at fair value based on NAV per share practical expedient as of December 31, 2018 and 2017, respectively.

December 31, 2018				
	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Collective trust fund, Principal Stable Value Fund	\$ 6,606,666	N/A	Daily	30 days
December 31, 2017				
Collective trust fund, Principal Stable Value Fund	\$ 5,579,030	N/A	Daily	30 days

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Notes to Financial Statements

December 31, 2018 and 2017

4. Related Party and Party In Interest Transactions

Certain of the Plan's investments are managed by affiliates of Principal Trust Company ("Principal"). Fees incurred by the Plan for investment manager services are included in net (depreciation) appreciation in the fair value of the investment, as they are paid through revenue sharing rates rather than a direct payment. Certain expenses of Principal are paid by the Plan related to plan operations and investment activity described in Note 1. Additionally, the Plan issues notes to participants, which are secured by the participant's account balances. These transactions qualify as party in interest transactions which are exempt from the prohibited transactions rules of ERISA.

Certain administrative functions of the Plan are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan.

5. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the Statements of Net Assets Available for Benefits.

As of December 31, 2018, the Plan had investments of \$6,606,666 that were concentrated in one fund. There were no concentration as of December 31, 2017.

6. Information Certified by Custodian

The plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA for 2018 and 2017. Accordingly, Delaware Charter Guarantee and Trust Company d/b/a Principal Trust Company has certified to the completeness and accuracy of all investments reported in the accompanying Statements of Net Assets Available for Benefits as of December 31, 2018 and 2017, and the supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2018, and the related investment activity in the Statements of Changes in Net Assets Available for Benefits for the years ended December 31, 2018 and 2017.

7. Plan Termination

Although it has not expressed any intent to do so, the Company has the right under the plan document to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants would become 100 percent vested in their accounts.

8. Tax Status

The Plan had obtained its latest determination letter dated February 8, 2018, in which the Internal Revenue Service ("IRS") stated that the Plan, as then designed, was in compliance with the applicable requirements of the IRC.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

Houghton International Inc. Tax Advantaged Capital Accumulation Plan

Notes to Financial Statements

December 31, 2018 and 2017

9. Administration of Plan Assets

The Plan's assets are administered under a contract with Delaware Charter Guarantee and Trust Company d/b/a Principal Trust Company, the custodian of the Plan. The custodian invests funds received from contributions, investment sales, interest, and dividend income and makes distribution payments to participants.

The administrative expenses are included in the Statements of Changes in Net Assets Available for Benefits as a deduction from plan assets. These expenses totaled \$16,965 and \$17,750 for the years ended December 31, 2018 and 2017, respectively.

Houghton International Inc. Tax Advantaged Capital Accumulated Plan

Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year)

EIN: 23-0712270 Plan Number: 014

December 31, 2018

(a)	Identity of Issue (b)	Description of Investment (c)	Cost (d)	Current Value (e)
Investments				
*	Common collective trust fund	Principal Stable Value Fund	N/R	\$ 6,606,666
*	Pooled separate account	Principal LifeTime 2055 Sep Acct-I3	N/R	360,162
*	Pooled separate account	Principal LifeTime 2045 Sep Acct-I3	N/R	1,186,168
*	Pooled separate account	Principal LifeTime 2035 Sep Acct-I3	N/R	3,621,940
*	Pooled separate account	Principal LifeTime 2025 Sep Acct-I3	N/R	4,729,897
*	Pooled separate account	Principal LifeTime 2015 Sep Acct-I3	N/R	1,661,145
*	Pooled separate account	Principal LifeTime 2050 Sep Acct-I3	N/R	1,412,495
*	Pooled separate account	Principal LifeTime 2060 Sep Acct-I3	N/R	172,712
*	Pooled separate account	Principal LgCap S&P 500 Index SA-I3	N/R	4,598,715
*	Pooled separate account	Principal SmCap S&P 600 Index SA-I3	N/R	1,230,419
*	Pooled separate account	Principal Equity Income Sep Acct-I3	N/R	1,102,351
*	Pooled separate account	Principal LifeTime Strat Inc SA-I3	N/R	135,066
*	Pooled separate account	Principal MidCap S&P 400 Idx SA-I3	N/R	1,359,628
*	Pooled separate account	Principal LifeTime 2010 Sep Acct-I3	N/R	195,364
*	Pooled separate account	Principal LifeTime 2040 Sep Acct-I3	N/R	2,414,290
*	Pooled separate account	Principal LifeTime 2065 Sep Acct-I3	N/R	2,065
*	Pooled separate account	Principal Intl Small Cap Sep Acct-I2	N/R	481,906
*	Pooled separate account	Principal Core Plus Bond Sep Act-I4	N/R	1,285,395
*	Pooled separate account	Principal Inflation Prot Sep Acct-R6	N/R	761,699
*	Pooled separate account	Principal LifeTime 2030 Sep Acct-I3	N/R	5,566,299
*	Pooled separate account	Principal LifeTime 2020 Sep Acct-I3	N/R	4,589,354
	Mutual fund	Dreyfus Bond Market Index Account	N/R	596,841
	Mutual fund	T Rowe Price BI Chip Gr Adv	N/R	3,962,573
	Mutual fund	Blackrock Ttl Intl Ex US Inv Fund	N/R	57,503
	Mutual fund	Ab Discovery Value I Fund	N/R	1,697,819
	Mutual fund	Artisan International Inv Fund	N/R	980,424
	Mutual fund	William Blair Smmd Cap Gr Fd	N/R	3,426,093
				54,194,989
*	Notes Receivable from Participants	Interest rate: 4.25% to 6.50%	\$0	950,966
				<u>\$ 55,145,955</u>

* A party in interest as defined by ERISA

N/R - cost omitted for participant directed investments

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

H I I . T A C

EIN 23 0712270
 PLAN NUMBER 014
 PLAN YEAR 01/01/2018 TO 12/31/2018

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	BlackRock	Registered Investment Company iShs MSCI Tot Intl Idx IV A Fd	\$ 0.00	\$ 57,503.28
	Artisan	Registered Investment Company Artisan International Inv Fund	\$ 0.00	\$ 1,697,818.61
	Alliance Bernstein	Registered Investment Company AB Discovery Value I Fund	\$ 0.00	\$ 980,424.48
	Dreyfus Funds	Registered Investment Company Dreyfus Bond Mkt Index Inv Fd	\$ 0.00	\$ 596,841.15
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Core Plus Bond Sep Act-I4	\$ 0.00	\$ 1,285,394.75
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Equity Income SA-I3	\$ 0.00	\$ 1,102,351.07
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Inflation Protect SA-R6	\$ 0.00	\$ 761,699.36
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Intl SmallCap Sep Acct-I2	\$ 0.00	\$ 481,906.32
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LgCap S&P 500 Index SA-I3	\$ 0.00	\$ 4,598,714.88
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm Str Inc SA-I3	\$ 0.00	\$ 135,066.30
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2010 Sep Acct-I3	\$ 0.00	\$ 195,364.17
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2015 Sep Acct-I3	\$ 0.00	\$ 1,661,144.90
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2020 Sep Acct-I3	\$ 0.00	\$ 4,589,353.78
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2025 Sep Acct-I3	\$ 0.00	\$ 4,729,896.53
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2030 Sep Acct-I3	\$ 0.00	\$ 5,566,298.66

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

H I I . T A C

EIN 23 0712270
PLAN NUMBER 014
PLAN YEAR 01/01/2018 TO 12/31/2018

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2035 Sep Acct-I3	\$ 0.00	\$ 3,621,939.66
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2040 Sep Acct-I3	\$ 0.00	\$ 2,414,289.63
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2045 Sep Acct-I3	\$ 0.00	\$ 1,186,168.32
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2050 Sep Acct-I3	\$ 0.00	\$ 1,412,495.02
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2055 Sep Acct-I3	\$ 0.00	\$ 360,162.00
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2060 Sep Acct-I3	\$ 0.00	\$ 172,711.61
*	Principal Life Insurance Company	Pooled Separate Accounts Prin MidCap S&P 400 Idx SA-I3	\$ 0.00	\$ 1,359,628.26
*	Principal Life Insurance Company	Pooled Separate Accounts Prin SmCap S&P 600 Index SA-I3	\$ 0.00	\$ 1,230,419.50
*	Principal Global Investors Trust Co	Common/Collective Trust Principal Stable Value Select	\$ 0.00	\$ 6,606,666.00
*	Principal Life Insurance Company	Pooled Separate Accounts PRIN LIFETM 2065 SEP ACCT-I3	\$ 0.00	\$ 2,065.14
	T. Rowe Price Funds	Registered Investment Company T.Rowe Price Bl Chip Gr Adv Fd	\$ 0.00	\$ 3,962,572.82
	William Blair & Company	Registered Investment Company William Blair SmMd Cap Gr N Fd	\$ 0.00	\$ 3,426,092.76
*	Participant Loans	Range of Interest Rates Rates Range From 4.25% To 6.25%	\$ 0.00	\$ 950,966.00