

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2016 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan ☐ a DFE (specify) ____		
B	This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ☒		
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)	

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM 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.	10/12/2017	ANDREW WESZTERGOM
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2017	ANDREW WESZTERGOM
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE
Preparer's name (including firm name, if applicable) and address (include room or suite number)			Preparer's telephone number

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report: a Sponsor's name	4b EIN 4c PN
5 Total number of participants at the beginning of the plan year	5 509
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div> 6a(1) 418 6a(2) 432 6b 0 6c 96 6d 528 6e 2 6f 530 6g 523 6h 3
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 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) ☒ <u>1</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2016 Form M-1 annual report. If the plan was not required to file the 2016 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE 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 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM 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

(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	530	01/01/2016	12/31/2016

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 26329	(b) Total amount of fees paid 3795
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(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

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
26329	3795	REFERRAL/SERVICE FEE	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	32689379

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**6d**

Specify nature of costs ▶

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. Specify nature of costs.	10b	

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. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider 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
		2016
		This Form is Open to Public Inspection.

For calendar plan year 2016 or fiscal plan year beginning **01/01/2016** and ending **12/31/2016**

A Name of plan HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM 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
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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 ☒	9057	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 99	OTHER SERVICES	0	Yes ☒ No ☐	Yes ☐ No ☒	5843	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	17617	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	9057
(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 99	5843
(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 AND 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
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 <div style="text-align: center; font-size: 1.2em; font-weight: bold;">2016</div> This Form is Open to Public Inspection.
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan <u>HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM 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>596935</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>1868380</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>3949686</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRIN MIDCAP VALUE I SA-R6</u>		
b Name of sponsor of entity listed in (a): <u>PRINCIPAL LIFE INSURANCE COMPANY</u>		
c EIN-PN <u>42-0127290-043</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>0</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>1344804</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>1359116</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>431903</u>

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETM 2020 SEP ACCT-I3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-076	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3599495
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) 4677391
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) 2361304
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) 716473
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) 245222
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) 5684189
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) 1119064
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) 1876110
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) 3628954
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) 2574460

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) 791312
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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) 171345
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN CAPITAL APPR SA-I3

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

c EIN-PN 42-0127290-119	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
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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) 1334238
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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) 43186
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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

SCHEDULE H (Form 5500) <small>Internal Revenue Service</small> <small>Department of Labor</small> <small>Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	<small>OMB No. 1210-0110</small> 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>		
A Name of plan <u>HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM 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	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)	2077794	2069188
(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)	758110	767996
(9) Value of interest in common/collective trusts	1c(9)	6093261	5684189
(10) Value of interest in pooled separate accounts	1c(10)	29297590	32689379
(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)	9127741	8266583
(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	47354496	49477335

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	47354496	49477335
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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)	2069188	
(B) Participants	2a(1)(B)	3385815	
(C) Others (including rollovers)	2a(1)(C)	239828	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		5694831
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)	32394	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		32394
(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)	56500	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		56500
(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)		57499
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		2305409
(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)		227070
c Other income.....	2c		0
d Total income. Add all income amounts in column (b) and enter total.....	2d		8373703

Expenses**e** Benefit payment and payments to provide benefits:

(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	6233247	
(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)		6233247
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)	17617	
(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)		17617
j Total expenses. Add all expense amounts in column (b) and enter total	2j		6250864

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		2122839
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	0
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			
o Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?	4o			

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

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

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

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

Part V Trust Information

6a Name of trust	6b Trust's EIN
6c Name of trustee or custodian	6d Trustee's or custodian's telephone number

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2016 This Form is Open to Public Inspection.
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan <u>HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM 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) 2016
v. 160205

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

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

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment	☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c)	
	a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%	
	b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more	
	c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____	

Part VII	IRS Compliance Questions
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20a Is the plan a 401(k) plan? If "No," skip b	☐ Yes ☐ No
20b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor ☐ "Prior year" ADP test ☐ "Current year" ADP test ☐ N/A
21a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test ☐ Average benefit test ☐ N/A
21b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes ☐ No
22a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter / / and the serial number .	
22b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter / / .	

Houghton International Inc. Retirement Plan Committee
Houghton International Inc. Tax Advantaged Capital Accumulation Plan
Madison and Van Buren Aves.
P.O. Box 930
Valley Forge, PA 19482

Thank you for using Baker Tilly Virchow Krause, LLP as your auditor.

We have completed a DOL limited-scope audit of the financial statements of Houghton International Inc. Tax Advantaged Capital Accumulation Plan (the "plan") for the year ended December 31, 2016, and have issued our report thereon dated October 2, 2017. As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, 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 to those financial statements. Because of the significance of the information that we did not audit, we are unable to, and have not, expressed an opinion on those financial statements and schedule taken as a whole. This letter presents communications required by our professional standards.

Our Responsibility under Auditing Standards Generally Accepted in the United States of America

As communicated in our engagement letter dated May 8, 2017, our responsibility, as described by professional standards, is to conduct our audit in accordance with auditing standards generally accepted in the United States of America (U.S. GAAS) except that, as permitted by 29 CFR 2520.103-8 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA and as instructed by plan management, we did not perform any auditing procedures with respect to information prepared and certified to by, Principal Trust Company, in accordance with DOL Regulation 2520.103-5, other than comparing the information with the related information included in the financial statements and supplemental schedule. Because of the significance of the information that we did not audit, we did not express an opinion on the financial statements and supplemental schedule taken as a whole. The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified to by the Principal Trust Company, were audited by us in accordance with U.S. GAAS, and were subjected to tests of the plan's accounting records and other procedures we considered necessary to enable us to express an opinion that they are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Other Information in Documents Containing Audited Financial Statements

We are not aware of any documents prepared by management, which contain our reports on the audited financial statements of Houghton International Inc. Tax Advantaged Capital Accumulation Plan. Our responsibility for this information does not extend beyond the financial information identified in the report. We do not have an obligation to perform any procedures to corroborate other information. Nothing came to our attention that caused us to believe that such information, or its manner of presentation, is materially inconsistent with the information, or manner of information appearing in the financial statements.

Planned Scope and Timing of the Audit

We performed the audit according to the planned scope and timing previously communicated to you.

Significant Findings

Qualitative Aspect of Accounting Policies

Management is responsible for the selection and use of appropriate accounting policies. In accordance with the terms of our engagement letter, we will advise management about the appropriateness of accounting policies and their application. The significant accounting policies used by Houghton International Inc. Tax Advantaged Capital Accumulation Plan are described in Note 2 to the financial statements. No new accounting policies were adopted and the application of existing policies was not changed during the year ended December 31, 2016.

We noted no transactions entered into by the plan during the year that were both significant and unusual, and of which, under professional standards, we are required to inform you, or transactions for which there is a lack of authoritative guidance or consensus.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected.

The disclosures in the financial statements are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are trivial, and communicate them to the appropriate level of management. There were no misstatements identified.

Disagreements with Management

For purposes of this letter, professional standards define a disagreement with management as a matter, whether or not resolved to our satisfaction, concerning a financial accounting, reporting, or auditing matter that could be significant to the financial statements or the auditors' report. We are pleased to report that no such disagreements arose during the course of our audit.

Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters. If a consultation involves application of an accounting principle to the plan's financial statements, or a determination of the type of auditors' opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Management Representations

We have requested certain representations from management that are included in the management representation letter. This letter has been provided to you.

Independence

We are not aware of any relationships between Baker Tilly and the plan that, in our professional judgment, may reasonably be thought to bear on our independence.

Relating to our audit of the financial statements of Houghton International Inc. Tax Advantaged Capital Accumulation Plan for the year ended December 31, 2016, Baker Tilly hereby confirms in accordance with the Code of Professional Conduct issued by the American Institute of Certified Public Accountants that we are, in our professional judgment, independent with respect to the plan and provided no services to the plan other than audit services provided in connection with the audit of the current year's financial statements.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the plan's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

This information is intended solely for the use of the management of Houghton International Inc. Tax Advantaged Capital Accumulation Plan and is not intended to be and should not be used by anyone other than these specified parties.

Baker Tilly Virchow Krause, LLP

Philadelphia, Pennsylvania
October 2, 2017



October 2, 2017

Baker Tilly Virchow Krause, LLP
One Liberty Place
1650 Market Street
Philadelphia, PA 19103

We are providing this letter in connection with your audits of the financial statements and supplemental schedule of Houghton International Tax Advantaged Capital Accumulation Plan (the "plan"), which comprise the statements of net assets available for benefits as of December 31, 2016 and 2015, and the related statement of changes in net assets available for benefits for the years ended December 31, 2016 and 2015, and the related notes to the financial statements.

As permitted by Regulation 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) we have instructed you not to perform any auditing procedures with respect to information prepared and certified to by Principal Trust Company, the custodian, in accordance with the DOL Regulation 2520.103-5 other than comparing such information with the related information included in the financial statements and supplemental schedule. Because of the significance of the information which you did not audit, we understand that you will not express an opinion on the financial statements and supplemental schedule taken as a whole. We understand that the form and content of the information certified by the custodian has been audited by you in accordance with auditing standards generally accepted in the United States of America and was subjected to tests of our accounting records and other procedures you considered necessary to enable you to express an opinion as to whether they are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosures under ERISA.

Certain representations in this letter are described as being limited to matters that are material. Items are considered material, regardless of size, if they involve an omission or misstatement of accounting information that, in light of surrounding circumstances, makes it probable that the judgment of a reasonable person relying on the information would be changed or influenced by the omission or misstatement. An omission or misstatement that is monetarily small in amount could be considered material as a result of qualitative factors.

We confirm, to the best of our knowledge and belief, as of October 2, 2017, the following representations made to you during our audit.

Financial Statements

1. We have fulfilled our responsibilities, as set out in the terms of the audit engagement letter dated May 8, 2017, including our responsibility for the preparation and fair presentation of the financial statements and note disclosures.

Fluid Partnerships Making a World of Difference

Houghton International Inc.
Madison & Van Buren Aves., P. O. Box 930, Valley Forge, PA 19482-0930
Phone: (610) 666-4000 / Fax (610) 666-1376

2. We are responsible for the fair presentation of the plan's statements of net assets available for benefits and changes in net assets available for benefits in conformity with accounting principles generally accepted in the United States of America (US GAAP) and for the fair presentation of the accompanying supplemental schedule in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. The financial statements and related footnotes are fairly presented in conformity with US GAAP and the notes include all disclosures required by laws and regulations to which the plan is subject.
3. We acknowledge our responsibility for the design, implementation, and maintenance of internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error, and to prevent and detect fraud.
4. The following have been properly recorded or disclosed in the financial statements, if applicable:
 - a. Related-party relationships and transactions and relationships and transactions with parties-in-interest, as defined in ERISA Section 3(14) and regulations thereunder.
 - b. Guarantees whether written or oral under which the plan is contingently liable to a bank or other lending institution have been properly recorded or disclosed in accordance with US GAAP.
 - c. All significant assumptions used in making accounting estimates, including those measured at fair value, and material concentrations known to management that are to be disclosed are reasonable and in accordance with US GAAP. We understand that the significant estimates covered by this disclosure are estimates at the date of the statement of net assets available for benefits that are reasonably possible of changing materially within the next year. Concentrations refer to the nature and type of investments held by the plan, or markets for which events could occur which would significantly disrupt normal finances within the next year.
5. No events have occurred subsequent to the date of the plan's financial statements and through the date of this letter that would require adjustment to or disclosure in the aforementioned financial statements.
6. There are no -
 - a. Other liabilities or gain or loss contingencies that are required to be accrued or disclosed.
 - b. Other matters (e.g., breach of fiduciary responsibilities, nonexempt transactions, loans or leases in default, or events that may jeopardize the tax status) that legal counsel has advised us must be disclosed.
 - c. Pending or threatened litigation, claims, or assessments or unasserted claims or assessments that are required to be accrued or disclosed in the financial statements in accordance with accounting for contingencies under US GAAP, that we are not aware of, and the plan has not consulted a lawyer concerning litigation, claims, or assessments.
7. Financial instruments with off-balance-sheet risk and financial instruments with concentrations of credit risk have been properly recorded or disclosed in the financial statements.

8. The plan obtained its latest determination letter on August 17, 2011, in which the Internal Revenue Service stated that the plan, as then designed, was in compliance with the appropriate requirements of the Internal Revenue Code (IRC). The plan has been amended since receiving the determination letter. However, the plan administrator believes the plan is currently designed and being operated in compliance with the applicable requirements of the IRC. Therefore, they believe the plan was qualified and the related trust was tax-exempt as of the financial statement date.
9. The supplemental schedule or financial statements disclose the following, if applicable.
 - a. Non-exempt party-in-interest transactions (as defined in ERISA section 3(14) and regulations under the section).
 - b. Investments or loans in default or considered to be uncollectible.
 - c. Reportable transactions (as defined in ERISA section 103(b)(3)(H) and regulations under that section).

Information Provided

10. The plan (and the trust established under the plan) is qualified under the appropriate section of the Internal Revenue Code and intends to continue as a qualified plan (and trust). The plan sponsor has operated the plan (and trust) or insurance contract in a manner that did not jeopardize this tax status. Required nondiscrimination testing related to Code Section 401(k) and 401(m) arrangements, as applicable, has been completed for the plan, and any excess deferrals or contributions have been disposed of in accordance with regulations.
11. All material transactions have been properly recorded in the accounting records and are reflected in the financial statements.
12. All required amendments to and filings of the documents with the appropriate agencies have been made.
13. The methods and significant assumptions used to estimate fair values of financial instruments, including non-readily marketable securities are as disclosed in Note 3 to the financial statements, and are considered appropriate for the plan's investments. The methods and significant assumptions used result in a measure of fair value appropriate for financial measurement and disclosure purposes. The fair value disclosures are considered complete and accurate.
14. We have no -
 - a. Plans or intentions that may materially affect the carrying value or classification of assets and liabilities.
 - b. Intentions to terminate the plan.
15. Amendments to the plan instrument, if any, have been properly recorded or disclosed in the financial statements.
16. There have been no communications from regulatory agencies concerning noncompliance or suspected noncompliance with laws and regulations (including ERISA, DOL and IRS regulations) whose effects should be considered when preparing financial statements, or deficiencies in financial reporting practices, that could have a material effect on the financial statements in the event of noncompliance.

17. The plan has satisfactory title to all owned assets, which are recorded at fair value, and there are no liens or encumbrances on such assets nor has any asset been pledged, other than as disclosed in the notes to the financial statements.
18. We have no knowledge of any fraud or suspected fraud that affects the plan and involve -
 - a. Management,
 - b. Employees who have significant roles in internal control, or
 - c. Others where the fraud could have a material effect on the financial statements.
19. We have no knowledge of any fraud, allegations of fraud or suspected fraud affecting the plan received in communications from management, employees, former employees, participants, regulators, beneficiaries, service providers, third party administrators, or others.
20. We have made available to you -
 - a. Access to all information, of which we are aware, that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation, unrestricted access to persons within the plan from whom you determined it necessary to obtain audit evidence, and other matters.
 - b. Additional information that you have requested from us for the purpose of the audit.
 - c. Minutes of the meetings of Those Charged with Governance for the period from January 1, 2016 to October 2, 2017 or summaries of actions of recent meetings for which minutes have not yet been prepared.
 - d. Plan instruments, trust agreements, insurance contracts, or investment contracts and amendments to such documents entered into during the year, including amendments to comply with applicable laws.
21. We have disclosed to you the results of our assessment of the risk that the financial statements may be materially misstated as a result of fraud.
22. The plan has complied with the DOL's regulations concerning the timely remittance of participant contributions to trusts containing assets for the plan..
23. The plan has complied with the fidelity bonding requirements of ERISA.
24. We have apprised you of all communications, whether written or oral, with regulatory agencies concerning the operation of the plan.
25. We have disclosed to you the identity of the plan's related parties and parties in interest and all the related-party and party-in-interest relationships and transactions of which we are aware.

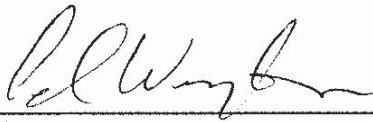
Page 5

26. We have made all management decisions and performed all management functions in relation to the non-attest services provided by Baker Tilly Virchow Krause, LLP, as listed below. We have designated Andy Wesztergom, an employee with suitable skill, knowledge and/or experience, to oversee the services received. Furthermore, we have established and maintained internal controls, including monitoring activities related to the non-attest services provided by Baker Tilly Virchow Krause, LLP, and we have evaluated and accept responsibility for the adequacy and results of the non-attest services received.

The non-attest services provided by Baker Tilly Virchow Krause, LLP are listed below:

- > Preparation of journal entries
- > Preparation of Form 5500 tax return

27. We believe the supplemental information, including its form and content, is fairly presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
28. We believe all receivables have been properly reported in the financial statements and that any allowance for uncollectible receivables is adequate.
29. We take responsibility for the methods of determining fair value for the investments in the plan.
30. We have evaluated the plan's covered service providers to ensure compliance with ERISA 408(b)(2), Services Provider Rules, and ERISA 404(a)(5) Participant Disclosures Rules. Each covered service provider has provided the Plan a written contract which complies with the criteria set forth in the 408(b)(2) regulation: disclosure of services to be provided, description of compensation, manner of receipt of such compensation and all conflicts of interest. Communications to participants in accordance with the 404(a)(5) regulation were provided to the participants of the Plan on or before August 30, 2012 and annually thereafter and all expenses of the Plan were presented to the participants of the Plan in a manner which complies with the 404(a)(5) regulation. Plan management has evaluated all fees paid by the Plan for the year ended December 31, 2016 for reasonableness.



Andy Wesztergom
Head of Finance - Americas



Jeewat Bijlani
President

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

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

HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM

EIN 23 0712270
 PLAN NUMBER 014
 PLAN YEAR 01/01/2016 TO 12/31/2016

(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
	Alliance Bernstein	Registered Investment Company AB DISCOVERY VALUE I FUND	\$ 0.00	\$ 1,266,696.68
	Artisan	Registered Investment Company ARTISAN INTERNATIONAL INV FUND	\$ 0.00	\$ 1,387,733.47
	BlackRock	Registered Investment Company BKRK TTL ITL EX US IN INV A FD	\$ 0.00	\$ 16,796.06
	Dreyfus Funds	Registered Investment Company Dreyfus Bond Mkt Index Inv Fd	\$ 0.00	\$ 1,060,443.95
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Core Plus Bond Sep Act-I4	\$ 0.00	\$ 1,868,379.78
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Equity Income SA-I3	\$ 0.00	\$ 1,334,237.94
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Inflation Protect SA-R6	\$ 0.00	\$ 1,119,064.03
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Intl SmallCap Sep Acct-I2	\$ 0.00	\$ 596,935.17
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LgCap S&P 500 Index SA-I3	\$ 0.00	\$ 3,949,685.96
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm Str Inc SA-I3	\$ 0.00	\$ 245,221.82
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2010 Sep Acct-I3	\$ 0.00	\$ 431,903.02
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2015 Sep Acct-I3	\$ 0.00	\$ 1,876,110.01
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2020 Sep Acct-I3	\$ 0.00	\$ 3,599,495.41
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2025 Sep Acct-I3	\$ 0.00	\$ 3,628,954.47
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2030 Sep Acct-I3	\$ 0.00	\$ 4,677,391.29

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

HOUGHTON INT INC TAX ADVANTAGED CAPITAL ACCUM

EIN 23 0712270
PLAN NUMBER 014
PLAN YEAR 01/01/2016 TO 12/31/2016

(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	\$ 2,574,459.53
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2040 Sep Acct-I3	\$ 0.00	\$ 2,361,303.97
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2045 Sep Acct-I3	\$ 0.00	\$ 791,312.30
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2050 Sep Acct-I3	\$ 0.00	\$ 716,473.44
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2055 Sep Acct-I3	\$ 0.00	\$ 171,344.71
*	Principal Life Insurance Company	Pooled Separate Accounts Prin LifeTm 2060 Sep Acct-I3	\$ 0.00	\$ 43,186.18
*	Principal Life Insurance Company	Pooled Separate Accounts Prin MidCap S&P 400 Idx SA-I3	\$ 0.00	\$ 1,359,116.48
*	Principal Life Insurance Company	Pooled Separate Accounts Prin SmCap S&P 600 Index SA-I3	\$ 0.00	\$ 1,344,803.98
*	Principal Global Investors Trust Co	Common/Collective Trust Principal Stable Value Select	\$ 0.00	\$ 5,684,189.00
	T. Rowe Price Funds	Registered Investment Company T.Rowe Price Bl Chip Gr Adv Fd	\$ 0.00	\$ 2,370,879.03
	William Blair & Company	Registered Investment Company WILLIAM BLAIR SMMD CAP GR N FD	\$ 0.00	\$ 2,164,033.76
*	Participant Loans	Range of Interest Rates Rates Range From 4.25% To 4.50%	\$ 0.00	\$ 767,996.00