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Form **990**Department of the Treasury
Internal Revenue Service**Return of Organization Exempt From Income Tax**

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except black lung benefit trust or private foundation)

▶ The organization may have to use a copy of this return to satisfy state reporting requirements.

OMB No 1545-0047

2012Open to Public
Inspection**A** For the 2012 calendar year, or tax year beginning **APR 1, 2012** and ending **MAR 31, 2013****B** Check if applicable

- ☐ Address change
☐ Name change
☐ Initial return
☐ Terminated
☐ Amended return
☐ Application pending

C Name of organization**THE REFRACTORIES INSTITUTE**

Doing Business As

Number and street (or P.O. box if mail is not delivered to street address) Room/suite

P. O. BOX 8439

City, town, or post office, state, and ZIP code

PITTSBURGH, PA 15218**F** Name and address of principal officer **ROBERT W. CROLIUS****P. O. BOX 8439, PITTSBURGH, PA 15218****D** Employer identification number**25-0981708****E** Telephone number**412-244-1880****G** Gross receipts \$ **671,172.****H(a)** Is this a group return for affiliates? ☐ Yes ☒ No**H(b)** Are all affiliates included? ☐ Yes ☐ No
If "No," attach a list (see instructions)**H(c)** Group exemption number ▶**I** Tax-exempt status. ☐ 501(c)(3) ☒ 501(c)(6) (insert no.) ☐ 4947(a)(1) or ☐ 527**J** Website: ▶ **REFRACTORIESINSTITUTE.ORG****K** Form of organization: ☒ Corporation ☐ Trust ☐ Association ☐ Other ▶**L** Year of formation: **1951** **M** State of legal domicile: **PA****Part I Summary**

Activities & Governance	1	Briefly describe the organization's mission or most significant activities	MISSION TO PROVIDE FORMALIZED METHODS OF IDENTIFYING AND ADDRESSING THE CRITICAL ISSUES, WHICH	
	2	Check this box ☐ if the organization discontinued its operations or disposed of more than 25% of its net assets.		
	3	Number of voting members of the governing body (Part VI, line 1a)	3	15
	4	Number of independent voting members of the governing body (Part VI, line 1b)	4	15
	5	Total number of individuals employed in calendar year 2012 (Part V, line 2a)	5	0
	6	Total number of volunteers (estimate if necessary)	6	0
	7a	Total unrelated business revenue from Part VIII, column (C), line 12	7a	0.
7b	Net unrelated business taxable income from Form 990-T, line 34	7b	0.	
Revenue	8	Contributions and grants (Part VIII, line 1h)	Prior Year	Current Year
	9	Program service revenue (Part VIII, line 2g)	0.	0.
	10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	323,320.	350,068.
	11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	35,599.	35,695.
	12	Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12)	77,476.	87,335.
	13	Grants and similar amounts paid (Part IX, column (A), lines 13)	436,395.	473,098.
	14	Benefits paid to or for members (Part IX, column (A), line 14)	37,620.	50,000.
	15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10)	0.	0.
	16a	Professional fundraising fees (Part IX, column (A), line 11e)	240,000.	247,200.
	16b	Total fundraising expenses (Part IX, column (D), line 25)	0.	0.
Expenses	17	Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e)	166,564.	167,937.
	18	Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25)	444,184.	465,137.
	19	Revenue less expenses. Subtract line 18 from line 12	<7,789.>	7,961.
	20	Total assets (Part X, line 16)	Beginning of Current Year	End of Year
Net Assets or Fund Balances	21	Total liabilities (Part X, line 26)	1,148,124.	1,231,506.
	22	Net assets or fund balances. Subtract line 21 from line 20	4,749.	1,634.
			1,143,375.	1,229,872.

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here	Signature of officer	Date	
	ROBERT W. CROLIUS, PRESIDENT	5/10/13	
Paid Preparer Use Only	Print/Type preparer's name	Preparer's signature	Date
	JAMES S. BRIDGES	James S. Bridges	5/2/13
	Firm's name	Firm's EIN	PTIN
	GREEN & BRIDGES, LLP	25-1840054	P00438587
	Firm's address	Phone no.	
	232 THIRD AVENUE	412-276-3100	
	CARNEGIE, PA 15106		

May the IRS discuss this return with the preparer shown above? (see instructions)

☒ Yes ☐ No

232001 12-10-12

LHA For Paperwork Reduction Act Notice, see the separate instructions.

Form **990** (2012)**SEE SCHEDULE O FOR ORGANIZATION MISSION STATEMENT CONTINUATION**

SCANNED JUN 04 2013

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Part III Statement of Program Service AccomplishmentsCheck if Schedule O contains a response to any question in this Part III ☐**1** Briefly describe the organization's mission:

THE INSTITUTE PROVIDES FORMALIZED METHODS OF IDENTIFYING AND PROMOTING CRITICAL ISSUES WHICH IMPACT THE REFRACTORY INDUSTRY.

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? ☐ Yes ☒ No

If "Yes," describe these new services on Schedule O.

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services? ☐ Yes ☒ No

If "Yes," describe these changes on Schedule O.

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported**4a** (Code _____) (Expenses \$ 465,137. including grants of \$ _____) (Revenue \$ 439,329.)

IN SUPPORT OF THE PRIMARY EXEMPT PURPOSE, THE REFRACTORIES INSTITUTE PROMOTED THE IMAGE OF THE REFRACTORIES INDUSTRY AS A SUPPLIER OF PRODUCTS VITAL TO ALL INDUSTRY, CONDUCTED RESEARCH TO DEVELOP AND IMPROVE METHODS FOR TESTING REFRACTORY MATERIALS AND MATTERS RELATED THERETO AND OTHER RESEARCH AND TESTING AS MAY BE HELPFUL TO THE INDUSTRY AND CONFERRED AND COOPERATED WITH GOVERNMENT AGENCIES AND OTHER OFFICIAL BODIES IN THE INTEREST OF THE PUBLIC AND THE INDUSTRY. DURING THE YEAR ENDED MARCH 31, 2013, THE REFRACTORIES INSTITUTE PROVIDED SERVICES TO ITS MEMBER COMPANIES IN THE UNITED STATES, CANADA, MEXICO AND LATIN AMERICA.

4b (Code _____) (Expenses \$ _____ including grants of \$ _____) (Revenue \$ _____)**4c** (Code _____) (Expenses \$ _____ including grants of \$ _____) (Revenue \$ _____)**4d** Other program services (Describe in Schedule O.)

(Expenses \$ _____ including grants of \$ _____) (Revenue \$ _____)

4e Total program service expenses **465,137.**

Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A</i>		X
2 Is the organization required to complete Schedule B, Schedule of Contributors?		X
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I</i>		X
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II</i>		
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? <i>If "Yes," complete Schedule C, Part III</i>		X
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I</i>		X
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? <i>If "Yes," complete Schedule D, Part II</i>		X
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III</i>		X
9 Did the organization report an amount in Part X, line 21, for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV</i>		X
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V</i>		X
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? <i>If "Yes," complete Schedule D, Part VI</i>	X	
b Did the organization report an amount for investments - other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VII</i>		X
c Did the organization report an amount for investments - program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VIII</i>		X
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part IX</i>		X
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i>		X
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? <i>If "Yes," complete Schedule D, Part X</i>		X
12a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII</i>	X	
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional</i>		X
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i>		X
14a Did the organization maintain an office, employees, or agents outside of the United States?		X
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? <i>If "Yes," complete Schedule F, Parts I and IV</i>		X
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or assistance to any organization or entity located outside the United States? <i>If "Yes," complete Schedule F, Parts II and IV</i>		X
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or assistance to individuals located outside the United States? <i>If "Yes," complete Schedule F, Parts III and IV</i>		X
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? <i>If "Yes," complete Schedule G, Part I</i>		X
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II</i>		X
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III</i>		X
20a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H</i>		X
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		

Part IV Checklist of Required Schedules (continued)

	Yes	No
21 Did the organization report more than \$5,000 of grants and other assistance to any government or organization in the United States on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II</i>	X	
22 Did the organization report more than \$5,000 of grants and other assistance to individuals in the United States on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III</i>	X	
23 Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J</i>	X	
24a Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25</i>		X
24b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		
24c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		
24d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		
25a Section 501(c)(3) and 501(c)(4) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I</i>		
25b Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I</i>		
26 Was a loan to or by a current or former officer, director, trustee, key employee, highest compensated employee, or disqualified person outstanding as of the end of the organization's tax year? <i>If "Yes," complete Schedule L, Part II</i>		X
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III</i>		X
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
28a A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		X
28b A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV</i>		X
28c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV</i>		X
29 Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M</i>		X
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M</i>		X
31 Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I</i>		X
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II</i>		X
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I</i>		X
34 Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1</i>		X
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?		X
35b If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2</i>		
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2</i>		
37 Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI</i>		X
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19?	X	

Note. All Form 990 filers are required to complete Schedule O

Part V Statements Regarding Other IRS Filings and Tax ComplianceCheck if Schedule O contains a response to any question in this Part V ☐

		Yes	No
1a	Enter the number reported in Box 3 of Form 1096. Enter -0- if not applicable.		
1b	Enter the number of Forms W-2G included in line 1a. Enter -0- if not applicable.		
c	Did the organization comply with backup withholding rules for reportable payments to vendors and reportable gaming (gambling) winnings to prize winners?		
2a	Enter the number of employees reported on Form W-3, Transmittal of Wage and Tax Statements, filed for the calendar year ending with or within the year covered by this return.		
b	If at least one is reported on line 2a, did the organization file all required federal employment tax returns? Note. If the sum of lines 1a and 2a is greater than 250, you may be required to e-file (see instructions).		
3a	Did the organization have unrelated business gross income of \$1,000 or more during the year?		X
b	If "Yes," has it filed a Form 990-T for this year? If "No," provide an explanation in Schedule O.		
4a	At any time during the calendar year, did the organization have an interest in, or a signature or other authority over, a financial account in a foreign country (such as a bank account, securities account, or other financial account)?		X
b	If "Yes," enter the name of the foreign country: See instructions for filing requirements for Form TD F 90-22.1, Report of Foreign Bank and Financial Accounts.		
5a	Was the organization a party to a prohibited tax shelter transaction at any time during the tax year?		X
b	Did any taxable party notify the organization that it was or is a party to a prohibited tax shelter transaction?		X
c	If "Yes," to line 5a or 5b, did the organization file Form 8886-T?		
6a	Does the organization have annual gross receipts that are normally greater than \$100,000, and did the organization solicit any contributions that were not tax deductible as charitable contributions?		X
b	If "Yes," did the organization include with every solicitation an express statement that such contributions or gifts were not tax deductible?		
7	Organizations that may receive deductible contributions under section 170(c).		
a	Did the organization receive a payment in excess of \$75 made partly as a contribution and partly for goods and services provided to the payor?		
b	If "Yes," did the organization notify the donor of the value of the goods or services provided?		
c	Did the organization sell, exchange, or otherwise dispose of tangible personal property for which it was required to file Form 8282?		
d	If "Yes," indicate the number of Forms 8282 filed during the year.		
e	Did the organization receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?		
f	Did the organization, during the year, pay premiums, directly or indirectly, on a personal benefit contract?		
g	If the organization received a contribution of qualified intellectual property, did the organization file Form 8899 as required?		
h	If the organization received a contribution of cars, boats, airplanes, or other vehicles, did the organization file a Form 1098-C?		
8	Sponsoring organizations maintaining donor advised funds and section 509(a)(3) supporting organizations. Did the supporting organization, or a donor advised fund maintained by a sponsoring organization, have excess business holdings at any time during the year?		
9	Sponsoring organizations maintaining donor advised funds.		
a	Did the organization make any taxable distributions under section 4966?		
b	Did the organization make a distribution to a donor, donor advisor, or related person?		
10	Section 501(c)(7) organizations. Enter.		
a	Initiation fees and capital contributions included on Part VIII, line 12.		
b	Gross receipts, included on Form 990, Part VIII, line 12, for public use of club facilities.		
11	Section 501(c)(12) organizations. Enter.		
a	Gross income from members or shareholders.		
b	Gross income from other sources (Do not net amounts due or paid to other sources against amounts due or received from them.)		
12a	Section 4947(a)(1) non-exempt charitable trusts. Is the organization filing Form 990 in lieu of Form 1041?		
b	If "Yes," enter the amount of tax-exempt interest received or accrued during the year.		
13	Section 501(c)(29) qualified nonprofit health insurance issuers.		
a	Is the organization licensed to issue qualified health plans in more than one state? Note. See the instructions for additional information the organization must report on Schedule O.		
b	Enter the amount of reserves the organization is required to maintain by the states in which the organization is licensed to issue qualified health plans.		
c	Enter the amount of reserves on hand.		
14a	Did the organization receive any payments for indoor tanning services during the tax year?		X
b	If "Yes," has it filed a Form 720 to report these payments? If "No," provide an explanation in Schedule O.		

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

Check if Schedule O contains a response to any question in this Part VI

☒**Section A. Governing Body and Management**

		Yes	No
1a	Enter the number of voting members of the governing body at the end of the tax year If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.	15	
b	Enter the number of voting members included in line 1a, above, who are independent	15	
2	Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?		X
3	Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?		X
4	Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?		X
5	Did the organization become aware during the year of a significant diversion of the organization's assets?		X
6	Did the organization have members or stockholders?	X	
7a	Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?	X	
b	Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?		X
8	Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:		
a	The governing body?	X	
b	Each committee with authority to act on behalf of the governing body?	X	
9	Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O		X

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

		Yes	No
10a	Did the organization have local chapters, branches, or affiliates?		X
b	If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?		
11a	Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	X	
b	Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
12a	Did the organization have a written conflict of interest policy? If "No," go to line 13	X	
b	Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	X	
c	Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	X	
13	Did the organization have a written whistleblower policy?	X	
14	Did the organization have a written document retention and destruction policy?	X	
15	Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
a	The organization's CEO, Executive Director, or top management official	X	
b	Other officers or key employees of the organization If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).		X
16a	Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?		X
b	If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?		

Section C. Disclosure

17 List the states with which a copy of this Form 990 is required to be filed **NONE**

18 Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
☐ Own website ☐ Another's website ☒ Upon request ☐ Other (explain in Schedule O)

19 Describe in Schedule O whether (and if so, how), the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year

20 State the name, physical address, and telephone number of the person who possesses the books and records of the organization. **▶**
ROBERT W. CROLIUS - 412-244-1880
325 MAPLE AVENUE, PITTSBURGH, PA 15218

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent ContractorsCheck if Schedule O contains a response to any question in this Part VII ☐**Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees****1a** Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.

- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."

- List the organization's five **current** highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.

- List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.

- List all of the organization's **former** directors or trustees that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons

☐ Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) STEPHEN J. NOCK CHAIRMAN	1.00	X						0.	0.	0.
(2) GUENTER KARHUT TREASURER	1.00	X		X				0.	0.	0.
(3) ABEL CARRIQUIRY DIRECTOR	1.00	X						0.	0.	0.
(4) LOUIS S. GOLTERMANN III DIRECTOR	1.00	X						0.	0.	0.
(5) DELL C. HADDEN DIRECTOR	1.00	X						0.	0.	0.
(6) DENNIS A. HAGEMAN DIRECTOR	1.00	X						0.	0.	0.
(7) HANK JAMERSON DIRECTOR	1.00	X						0.	0.	0.
(8) WILLIAM P. KELLY DIRECTOR	1.00	X						0.	0.	0.
(9) DANIEL W. LEASE DIRECTOR	1.00	X						0.	0.	0.
(10) JOHN MIDEA DIRECTOR	1.00	X						0.	0.	0.
(11) LEE MORRIS DIRECTOR	1.00	X						0.	0.	0.
(12) STEPHEN J. NOCK DIRECTOR	1.00	X						0.	0.	0.
(13) MICHAEL K. PIERCE DIRECTOR	1.00	X						0.	0.	0.
(14) JAMES PIRAINO DIRECTOR	1.00	X						0.	0.	0.
(15) GARY SHREVE DIRECTOR	1.00	X						0.	0.	0.
(16) JONATHAN R. TABOR DIRECTOR	1.00	X						0.	0.	0.
(17) ROBERT W. CROLIUS PRESIDENT	40.00			X				247,200.	0.	0.

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees <i>(continued)</i>	
--	--

[illegible]

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization ►

1

		Yes	No
3	Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i>		X
4	For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? <i>If "Yes," complete Schedule J for such individual</i>	X	
5	Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i>		X

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation
NONE		
2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization ▶		0

Part VIII Statement of RevenueCheck if Schedule O contains a response to any question in this Part VIII ☐

			(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512, 513, or 514
Contributions, Gifts, Grants and Other Similar Amounts	1 a Federated campaigns	1a				
	b Membership dues	1b				
	c Fundraising events	1c				
	d Related organizations	1d				
	e Government grants (contributions)	1e				
	f All other contributions, gifts, grants, and similar amounts not included above	1f				
	g Noncash contributions included in lines 1a-1f \$					
	h Total. Add lines 1a-1f					
Program Service Revenue	2 a MEMBERSHIP DUES	Business Code 900099	350,068.	350,068.		
	b					
	c					
	d					
	e					
	f All other program service revenue					
	g Total. Add lines 2a-2f		350,068.			
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)		33,769.			33,769.
	4 Income from investment of tax-exempt bond proceeds					
	5 Royalties					
	6 a Gross rents	(i) Real (ii) Personal				
	b Less: rental expenses					
	c Rental income or (loss)					
	d Net rental income or (loss)					
	7 a Gross amount from sales of assets other than inventory	(i) Securities (ii) Other 200,000.				
	b Less: cost or other basis and sales expenses	198,074.				
	c Gain or (loss)	1,926.				
	d Net gain or (loss)		1,926.	1,926.		
	8 a Gross income from fundraising events (not including \$ of contributions reported on line 1c) See Part IV, line 18	a				
	b Less: direct expenses	b				
	c Net income or (loss) from fundraising events					
	9 a Gross income from gaming activities. See Part IV, line 19	a				
	b Less: direct expenses	b				
	c Net income or (loss) from gaming activities					
10 a Gross sales of inventory, less returns and allowances	a					
b Less: cost of goods sold	b					
c Net income or (loss) from sales of inventory						
Miscellaneous Revenue		Business Code				
11 a MEETING REGISTRATIONS	900099	86,807.	86,807.			
b PUBLICATION SALES	900099	528.	528.			
c						
d All other revenue						
e Total. Add lines 11a-11d		87,335.				
12 Total revenue. See instructions.		473,098.	439,329.	0.	33,769.	

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response to any question in this Part IX ☐

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to governments and organizations in the United States. See Part IV, line 21	35,000.			
2 Grants and other assistance to individuals in the United States. See Part IV, line 22	15,000.			
3 Grants and other assistance to governments, organizations, and individuals outside the United States. See Part IV, lines 15 and 16				
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	247,200.			
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)				
7 Other salaries and wages				
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)				
9 Other employee benefits				
10 Payroll taxes				
11 Fees for services (non-employees):				
a Management				
b Legal	27,359.			
c Accounting	5,750.			
d Lobbying				
e Professional fundraising services. See Part IV, line 17				
f Investment management fees				
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Sch O.)				
12 Advertising and promotion				
13 Office expenses	1,885.			
14 Information technology				
15 Royalties				
16 Occupancy				
17 Travel	13,223.			
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	82,293.			
20 Interest				
21 Payments to affiliates				
22 Depreciation, depletion, and amortization				
23 Insurance				
24 Other expenses. Itemize expenses not covered above. (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a MANAGEMENT ADVISORY FEE	10,540.			
b CASUALTY AND LIABILITY	7,064.			
c PUBLICATION PRINTING AND	4,624.			
d BANK SERVICE CHARGES	3,423.			
e All other expenses	11,776.			
25 Total functional expenses. Add lines 1 through 24e	465,137.			
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation.				

Check here ☐ if following SOP 98-2 (ASC 958-720)

Part X Balance SheetCheck if Schedule O contains a response to any question in this Part X ☐

		(A) Beginning of year		(B) End of year
Assets	1 Cash - non-interest-bearing	1,300.	1	1,320.
	2 Savings and temporary cash investments	48,830.	2	94,007.
	3 Pledges and grants receivable, net		3	
	4 Accounts receivable, net	3,789.	4	15,407.
	5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		5	
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instr). Complete Part II of Sch L		6	
	7 Notes and loans receivable, net		7	
	8 Inventories for sale or use		8	
	9 Prepaid expenses and deferred charges	5,791.	9	1,475.
	10a Land, buildings, and equipment. cost or other basis. Complete Part VI of Schedule D	10a 3,665.		
	b Less: accumulated depreciation	10b 3,665.	10c 0.	0.
	11 Investments - publicly traded securities	1,087,914.	11	1,118,797.
	12 Investments - other securities See Part IV, line 11		12	
	13 Investments - program-related See Part IV, line 11		13	
	14 Intangible assets		14	
	15 Other assets. See Part IV, line 11	500.	15	500.
16 Total assets. Add lines 1 through 15 (must equal line 34)	1,148,124.	16	1,231,506.	
Liabilities	17 Accounts payable and accrued expenses	4,749.	17	1,634.
	18 Grants payable		18	
	19 Deferred revenue		19	
	20 Tax-exempt bond liabilities		20	
	21 Escrow or custodial account liability Complete Part IV of Schedule D		21	
	22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L		22	
	23 Secured mortgages and notes payable to unrelated third parties		23	
	24 Unsecured notes and loans payable to unrelated third parties		24	
	25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D		25	
	26 Total liabilities. Add lines 17 through 25	4,749.	26	1,634.
	Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here ☒ and complete lines 27 through 29, and lines 33 and 34.		
27 Unrestricted net assets		1,143,375.	27	1,229,872.
28 Temporarily restricted net assets			28	
29 Permanently restricted net assets			29	
Organizations that do not follow SFAS 117 (ASC 958), check here ☐ and complete lines 30 through 34.				
30 Capital stock or trust principal, or current funds			30	
31 Paid-in or capital surplus, or land, building, or equipment fund			31	
32 Retained earnings, endowment, accumulated income, or other funds			32	
33 Total net assets or fund balances		1,143,375.	33	1,229,872.
34 Total liabilities and net assets/fund balances	1,148,124.	34	1,231,506.	

Form 990 (2012)

Part XI Reconciliation of Net AssetsCheck if Schedule O contains a response to any question in this Part XI ☐

1	Total revenue (must equal Part VIII, column (A), line 12)	1	473,098.
2	Total expenses (must equal Part IX, column (A), line 25)	2	465,137.
3	Revenue less expenses Subtract line 2 from line 1	3	7,961.
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	1,143,375.
5	Net unrealized gains (losses) on investments	5	78,536.
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	0.
10	Net assets or fund balances at end of year Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	1,229,872.

Part XII Financial Statements and ReportingCheck if Schedule O contains a response to any question in this Part XII ☒

- 1** Accounting method used to prepare the Form 990 ☐ Cash ☒ Accrual ☐ Other _____
If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.
- 2a** Were the organization's financial statements compiled or reviewed by an independent accountant?
If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both:
☐ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis
- b** Were the organization's financial statements audited by an independent accountant?
If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both:
☒ Separate basis ☐ Consolidated basis ☐ Both consolidated and separate basis
- c** If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant?
If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O
- 3a** As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?
- b** If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits

	Yes	No
2a		X
2b	X	
2c	X	
3a		X
3b		

Form 990 (2012)

SCHEDULE D
(Form 990)Department of the Treasury
Internal Revenue Service**Supplemental Financial Statements**▶ Complete if the organization answered "Yes," to Form 990,
Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
▶ Attach to Form 990. ▶ See separate instructions.

OMB No 1545-0047

2012Open to Public
Inspection

Name of the organization

THE REFRACTORIES INSTITUTE

Employer identification number

25-0981708**Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts.** Complete if the

organization answered "Yes" to Form 990, Part IV, line 6

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate contributions to (during year)		
3 Aggregate grants from (during year)		
4 Aggregate value at end of year		
5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?		☐ Yes ☐ No
6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?		☐ Yes ☐ No

Part II Conservation Easements. Complete if the organization answered "Yes" to Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply).

☐ Preservation of land for public use (e.g., recreation or education)	☐ Preservation of an historically important land area
☐ Protection of natural habitat	☐ Preservation of a certified historic structure
☐ Preservation of open space	

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year.

	Held at the End of the Tax Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 8/17/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶

4 Number of states where property subject to conservation easement is located ▶

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds? ☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, and enforcing conservation easements during the year ▶

7 Amount of expenses incurred in monitoring, inspecting, and enforcing conservation easements during the year ▶ \$

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)? ☐ Yes ☐ No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.

Complete if the organization answered "Yes" to Form 990, Part IV, line 8

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items.

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items:

(i) Revenues included in Form 990, Part VIII, line 1	▶ \$
(ii) Assets included in Form 990, Part X	▶ \$

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items:

a Revenues included in Form 990, Part VIII, line 1	▶ \$
b Assets included in Form 990, Part X	▶ \$

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply).

- a ☐ Public exhibition
 b ☐ Scholarly research
 c ☐ Preservation for future generations
 d ☐ Loan or exchange programs
 e ☐ Other _____

4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.

5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? ☐ Yes ☐ No

Part IV Escrow and Custodial Arrangements. Complete if the organization answered "Yes" to Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII and complete the following table:

- c Beginning balance
 d Additions during the year
 e Distributions during the year
 f Ending balance

	Amount
1c	
1d	
1e	
1f	

2a Did the organization include an amount on Form 990, Part X, line 21? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided in Part XIII ☐

Part V Endowment Funds. Complete if the organization answered "Yes" to Form 990, Part IV, line 10.

1a Beginning of year balance

b Contributions

c Net investment earnings, gains, and losses

d Grants or scholarships

e Other expenditures for facilities and programs

f Administrative expenses

g End of year balance

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a					
b					
c					
d					
e					
f					
g					

2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as

a Board designated or quasi-endowment ☐ %

b Permanent endowment ☐ %

c Temporarily restricted endowment ☐ %

The percentages in lines 2a, 2b, and 2c should equal 100%

3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by

(i) unrelated organizations

(ii) related organizations

b If "Yes" to 3a(ii), are the related organizations listed as required on Schedule R?

	Yes	No
3a(i)		
3a(ii)		
3b		

4 Describe in Part XIII the intended uses of the organization's endowment funds

Part VI Land, Buildings, and Equipment. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land				
b Buildings				
c Leasehold improvements				
d Equipment		3,665.	3,665.	0.
e Other		0.	0.	

Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10(c)) ☐ 0.

Schedule D (Form 990) 2012

Part VII Investments - Other Securities. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other		
(A)		
(B)		
(C)		
(D)		
(E)		
(F)		
(G)		
(H)		
(I)		
Total. (Col. (b) must equal Form 990, Part X, col. (B) line 12.) ►		

Part VIII Investments - Program Related. See Form 990, Part X, line 13.

(a) Description of investment type	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
Total. (Col. (b) must equal Form 990, Part X, col. (B) line 13.) ►		

Part IX Other Assets. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 15.) ►	

Part X Other Liabilities. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.) ►	

2. FIN 48 (ASC 740) Footnote. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII ☐

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return

1	Total revenue, gains, and other support per audited financial statements	1	551,634.
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains on investments	2a	78,536.
b	Donated services and use of facilities	2b	
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII.)	2d	
e	Add lines 2a through 2d	2e	78,536.
3	Subtract line 2e from line 1	3	473,098.
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	
b	Other (Describe in Part XIII.)	4b	
c	Add lines 4a and 4b	4c	0.
5	Total revenue. Add lines 3 and 4c . (This must equal Form 990, Part I, line 12.)	5	473,098.

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return

1	Total expenses and losses per audited financial statements	1	465,137.
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIII.)	2d	
e	Add lines 2a through 2d	2e	0.
3	Subtract line 2e from line 1	3	465,137.
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	
b	Other (Describe in Part XIII.)	4b	
c	Add lines 4a and 4b	4c	0.
5	Total expenses. Add lines 3 and 4c . (This must equal Form 990, Part I, line 18.)	5	465,137.

Part XIII Supplemental Information

Complete this part to provide the descriptions required for Part II, lines 3, 5, and 9, Part III, lines 1a and 4; Part IV, lines 1b and 2b, Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b, and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

**SCHEDULE I
(Form 990)**

Department of the Treasury
Internal Revenue Service

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**

Complete if the organization answered "Yes" to Form 990, Part IV, line 21 or 22.
▶ Attach to Form 990.

OMB No 1545-0047

2012

Open to Public
Inspection

Name of the organization

THE REFRACTORIES INSTITUTE

Employer identification number
25-0981708

Part I General Information on Grants and Assistance

1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance?

☒ Yes ☐ No

2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States

Part II Grants and Other Assistance to Governments and Organizations in the United States. Complete if the organization answered "Yes" to Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNITECR 600 NORTH CLEVELAND AVE STE 210 WESTERVILLE, OH 43082			20,000.	0.			PROMOTION OF RESEARCH INTO ISSUES CONCERNING THE REFRACTORY INDUSTRY
AMERICAN CHEMISTRY COUNCIL 700 SECOND STREET WASHINGTON, DC 20002			15,000.	0.			PROMOTION OF RESEARCH INTO ISSUES CONCERNING THE REFRACTORY INDUSTRY

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table

3 Enter total number of other organizations listed in the line 1 table

2.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule I (Form 990) (2012)

SCHEDULE J
(Form 990)

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

▶ **Complete if the organization answered "Yes" to Form 990, Part IV, line 23.**

▶ **Attach to Form 990.** ▶ **See separate instructions.**

OMB No 1545-0047

2012

Open to Public Inspection

Name of the organization

THE REFRACTORIES INSTITUTE

Employer identification number

25-0981708

Part I Questions Regarding Compensation

1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed in Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items

☐ First-class or charter travel

☐ Travel for companions

☐ Tax indemnification and gross-up payments

☐ Discretionary spending account

☐ Housing allowance or residence for personal use

☐ Payments for business use of personal residence

☐ Health or social club dues or initiation fees

☐ Personal services (e.g., maid, chauffeur, chef)

b If any of the boxes on line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain

2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all officers, directors, trustees, and the CEO/Executive Director, regarding the items checked in line 1a?

3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III.

☐ Compensation committee

☐ Independent compensation consultant

☐ Form 990 of other organizations

☒ Written employment contract

☐ Compensation survey or study

☒ Approval by the board or compensation committee

4 During the year, did any person listed in Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization

a Receive a severance payment or change-of-control payment?

b Participate in, or receive payment from, a supplemental nonqualified retirement plan?

c Participate in, or receive payment from, an equity-based compensation arrangement?

If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III

Only section 501(c)(3) and 501(c)(4) organizations must complete lines 5-9.

5 For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of:

a The organization?

b Any related organization?

If "Yes" to line 5a or 5b, describe in Part III.

6 For persons listed in Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of:

a The organization?

b Any related organization?

If "Yes" to line 6a or 6b, describe in Part III

7 For persons listed in Form 990, Part VII, Section A, line 1a, did the organization provide any non-fixed payments not described in lines 5 and 6? If "Yes," describe in Part III

8 Were any amounts reported in Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III

9 If "Yes" to line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)?

Yes No

1b

2

4a

4b

4c

5a

5b

6a

6b

7

8

9

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule J (Form 990) 2012

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.
▶ Attach to Form 990 or 990-EZ.

OMB No 1545-0047

2012

Open to Public
Inspection

Name of the organization

THE REFRACTORIES INSTITUTE

Employer identification number
25-0981708

FORM 990, PART I, LINE 1, DESCRIPTION OF ORGANIZATION MISSION:

SEVERELY IMPACT THE REFRACTORIES INDUSTRY.

**IN SUPPORT OF THE PRIMARY EXEMPT PURPOSE, THE REFRACTORIES INSTITUTE
PROMOTED THE IMAGE OF THE REFRACTORIES INDUSTRY AS A SUPPLIER OF
PRODUCTS VITAL TO ALL INDUSTRY, CONDUCTED RESEARCH TO DEVELOP AND
IMPROVE METHODS FOR TESTING REFRACTORY MATERIALS AND MATTERS RELATED
THERETO AND OTHER RESEARCH AND TESTING AS MAY BE HELPFUL TO THE
INDUSTRY AND CONFERRED AND COOPERATED WITH GOVERNMENT AGENCIES AND
OTHER OFFICIAL BODIES IN THE INTEREST OF THE PUBLIC AND THE INDUSTRY.
DURING THE YEAR ENDED MARCH 31, 2011, THE REFRACTORIES INSTITUTE
PROVIDED SERVICES TO ITS MEMBER COMPANIES IN THE UNITED STATES, CANADA,
MEXICO AND LATIN AMERICA.**

**FORM 990, PART VI, SECTION A, LINE 6: 5. THE INSTITUTE MEMBERSHIP
CONSISTS OF COMPANIES IN THE REFRACTORIES BUSINESS. ALL MEMBERS HAVE EQUAL
VOTING RIGHTS IN THE MANAGEMENT AND OPERATIONS OF THE INSTITUTE BUT
MEMBERSHIP DUES ARE DETERMINED BASED UPON REVENUES OF EACH INDIVIDUAL
COMPANY.**

**FORM 990, PART VI, SECTION A, LINE 7A: 6. THE REFRACTORIES INSTITUTE
HOLDS ELECTIONS SEMIANNUALLY AT ITS SPRING MEETING. ALL MEMBER COMPANIES
PROVIDE A REPRESENTATIVE AND HAVE AN EQUAL SINGLE VOTE IN THE SELECTION OF
THE BOARD OF DIRECTORS AND THE EXECUTIVE COMMITTEE AND OFFICERS OF THE
INSTITUTE.**

FORM 990, PART VI, SECTION B, LINE 11: 11. THE PRESIDENT OF THE INSTITUTE

Name of the organization

THE REFRACTORIES INSTITUTE

Employer identification number

25-0981708

RECEIVES THE FORM 990 AND REVIEWS IT PRIOR TO THE FILING OF THE RETURN WITH THE INTERNAL REVENUE SERVICE.

FORM 990, PART VI, SECTION B, LINE 12C: THE INSTITUTE'S BOARD OF DIRECTORS AND EXECUTIVE COMMITTEE REVIEW ALL ACTIONS TAKEN BY PRESIDENT. ANY AND ALL EXPENDITURES FROM CHECKING ACCOUNT OF INSTITUTE FUND REQUIRE SIGNATURES OF NON MANAGEMENT OFFICERS.

FORM 990, PART VI, SECTION B, LINE 15A: PROCESS FOR DETERMINING COMPENSATION

THE PRESIDENT OF THE FOUNDATION IS COMPENSATED AS AN INDEPENDENT CONTRACTOR. HIS COMPENSATION IS IN ACCORDANCE WITH A WRITTEN CONTRACT BETWEEN HIM AND THE INSTITUTE. THE AMOUNT OF THE COMPENSATION IS DETERMINED AND APPROVED ANNUALLY BY THE BOARD OF DIRECTORS OF THE INSTITUTE.

FORM 990, PART VI, SECTION C, LINE 19: GOVERNING DOCUMENTS, POLICY POSITIONS AND FINANCIAL STATEMENTS ARE AVAILABLE AT THE INSTITUTE'S OFFICE ON REQUEST.

FORM 990, PART XII, LINE 2C

THE EXECUTIVE COMMITTEE IN THE WINTER PLANNING SESSION HELD IN JANUARY APPROVES THE APPOINTMENT OF THE AUDITORS.

Asset No	Description	Date Acquired	Method	Life	Line No	Unadjusted Cost Or Basis	Bus % Excl	* Reduction In Basis	Basis For Depreciation	Accumulated Depreciation	Current Sec 179	Current Year Deduction
13	FURNITURE & FIXTURES OFFICE FURNITURE AND EQUIPMENT PORTABLE	063098	SL	10.00	16	1,332.			1,332.	1,332.		0.
14	PHOTOCOPIER	050905	SL	5.00	16	2,333.			2,333.	2,333.		0.
	* 990 PAGE 10 TOTAL FURNITURE & FIXTURES					3,665.		0.	3,665.	3,665.	0.	0.
	* 990 PAGE 10 TOTAL					3,665.		0.	3,665.	3,665.	0.	0.
	* GRAND TOTAL 990 PAGE 10 DEPR					3,665.		0.	3,665.	3,665.	0.	0.