## **Crumbling Foundations Application Instructions**

This application is intended to request reimbursement for monies spent on visual and\or test samplings relating to the damaging effects of pyrrhotite on concrete home foundations.

Please remember, this is a reimbursement program, so monies have to be expended first and evidence of expenditures must be submitted with the application. Applicants cannot prospectively request reimbursement for costs.

### All applications must be accompanied by:

- Proof of Home Ownership Condos: proof of foundation ownership usually the association declaration -(Examples of homeownership include mortgage statements, tax bills, copies of deeds, etc.)
- Testing and \or Visual Inspection Report and Results
- Pictures of Foundation Damage (If not in Report)
- Invoice or other Documentation of Costs (Such as a cancelled check)
- Dated Records of House Addition (If applicable)
- List of Other Units that Share Foundation (For Condos)
- Commonwealth Standard Contract Form (Needed for the Commonwealth to process payment)
- W-9 Form (For tax purposes)
- Electronic Fund Transfer Form (EFT)

### Completed applications and support material shall be returned to the:

Office of Public Safety & Inspections, Crumbling Foundations
1000 Washington Street, Suite 710
Boston, MA 02118
Questions may be directed to Robert.Anderson@mass.gov

### **Eligibility requirements:**

 Legislation was recently revised, removing distance and time-built requirements that appear in the original bill's text, allowing any homeowner in the commonwealth to apply for reimbursement, regardless of the home's location or when constructed.

### Please note that applications may only be approved for reimbursement up to the following levels:

- 100% for visual testing conducted by a licensed professional engineer up to \$400 maximum.
- 75% for testing of two core samples up to \$5000 maximum.

An application and associated required forms are provided below; information in the text box below may be helpful when completing the forms. Additional information, in the form of an article titled *Effects of Pyrrhotite on Home Concrete Foundations*, is also provided towards the end of this document. Again, please feel free to send a message to Robert. Anderson@mass.gov if something remains unclear.

Complete <i>required information</i> on the Commonwealth	Fully complete the Electronic Fund Transfer Form (EFT)
Standard Contract Form (The applicant needs to remember	(In this instance, <b>the applicant</b> is considered the vendor and
that he\she is considered the contractor for filing this form and	needs to complete all parts with the exception of old banking
therefore needs only to complete the top, left portion of the form,	information. Also, the applicant needs to remember to provide a
sign and date.)	voided check so that reimbursement monies are deposited in
	the correct account. The Tax Identification Number (TIN) is
	the applicant's social security number. The form also provides
	further instruction as to what is required for each part.)
Fully complete the W-9 Form.	Finally, applicants must remember to present evidence of
	payment for inspections made and\or core samples tested
	in the form of a cancelled check, credit card statement or
	similar evidence, not just an invoice marked paid.

## **Crumbling Foundations Application**

REQUIRED INFORMATION IS HIGHLIGHTED

First and Last Name	Phone Number		E-mail		
Address of Testing Site		City/Town		Zip Code	
Mailing Address	ne as Above	City/Town State		Zip Code	
Type of Property  □ Residential □ Condo □ House Addition		Year Built	ear Built Year Addition Built		
Type of Foundation Test  □ Visual □ Core Test	Date Test Conducted	<b>Total Invoice Amount</b>	Number of Cores		
Company/Engineer Name	Phone Number	E-mail	License Number (If available)		
Did your foundation test positive for pyrrhotite?					
□ Concrete Floors Only  Does your house have any of the follow □ Waterproofing on the exterior □ Waterproofing in the interior □ Finished Basement or partially	of the basement walls	,	ip if you don't idifier in the	e basement	
Please enclose the following to comple  Proof of Home Ownership (Concentration of Homeownership inches)  Testing / Visual Inspection Respection Description of Foundation Dama Invoice or other Documentation Dated Records of House Add List of Other Units that Share Commonwealth Standard Concentration W-9 Form (For Tax Purposes)  Electronic Funds Transfer For	dondos: proof of four dude mortgage statement eport / Results ge (If not in Report) on of Costs (Such as ition (If applicable) e Foundation (For Contract Form (Needed )	ndation ownership - usuants, tax bills, copies of deeds, a cancelled check)  andos)  for the Commonwealth to pro	etc.)		
I certify that the information entered a	bove 1s complete an	a accurate.			
Signature		Date			

Mail applications to:
Office of Public Safety & Inspections, Crumbling Foundations
1000 Washington Street, Boston, MA Suite 710, Boston, MA 02118 Question may be directed to Robert.Anderson@mass.gov.

### COMMONWEALTH OF MASSACHUSETTS ~ STANDARD CONTRACT FORM

This form is jointly issued and published by the Office of the Comptroller (CTR), the Executive Office for Administration and Finance (ANF), and the Operational Services Division (OSD) as the default contract for all Commonwealth Departments when another form is not prescribed by regulation or policy. The Commonwealth deems void any changes made on or by attachment (in the form of addendum, engagement letters, contract forms or invoice terms) to the terms in this published form or to the <u>Standard Contract Form Instructions and Contractor Certifications</u>, the <u>Commonwealth Terms and Conditions for Human and Social Services</u> or the <u>Commonwealth IT Terms and Conditions</u> which are incorporated by reference herein. Additional non-conflicting terms may be added by Attachment. Contractors are required to access published forms at CTR Forms: <a href="https://www.macs.gov/lists/osd-forms">https://www.macs.gov/lists/osd-forms</a>.

https://www.macomptroller.org/forms. Forms are also	oosted at OSD Forms: https://www.	mass.gov/lists/osd-forms.				
CONTRACTOR LEGAL NAME:		COMMONWEALTH DEPARTMENT NAME: Division of Professional Licensure				
(and d/b/a):		MMARS Department Code: REG				
Legal Address: (W-9, W-4):		Business Mailing Address: 1000 Washington St., Ste. 710 Boston, MA 02118				
Contract Manager: N/A	Phone:	Billing Address (if different): Same as above				
E-Mail:	Fax:	Contract Manager: Robert Anderson	Phone: 617-826-5268			
Contractor Vendor Code: VC		E-Mail: Robert.Anderson@mass.gov	Fax:			
Vendor Code Address ID (e.g. "AD001"): AD 001 .		MMARS Doc ID(s): CT REG 1000 2021REGDPSR14OP	PEN			
(Note: The Address ID must be set up for EFT payr	nents.)	RFR/Procurement or Other ID Number: N/A - Legislativ				
X NEW CONTRA	_X_ NEW CONTRACT					
PROCUREMENT OR EXCEPTION TYPE: (Check of		CONTRACT AMENDMENT Enter Current Contract End Date <u>Prior</u> to Amendment:, 20				
Statewide Contract (OSD or an OSD-designated	Department)	Enter Amendment Amount: \$ (or "no change")				
Collective Purchase (Attach OSD approval, scop	e, budget)	AMENDMENT TYPE: (Check one option only. Attach details of amendment changes.)				
Department Procurement (includes all Grants - & Notice or RFR, and Response or other procurem		Amendment to Date, Scope or Budget (Attach updated scope and budget)				
Emergency Contract (Attach justification for eme		Interim Contract (Attach justification for Interim Contra				
Contract Employee (Attach Employment Status F		Contract Employee (Attach any updates to scope or be				
X Other Procurement Exception (Attach authorizing		Other Procurement Exception (Attach authorizing lan	guage/justification and updated			
specific exemption or earmark, and exception justi		scope and budget)	( ( . d b			
	ONE option): X Commonwealth	Ilowing Commonwealth Terms and Conditions document Terms and Conditions Commonwealth Terms and Condit				
COMPENSATION: (Check ONE option): The Departr	nent certifies that payments for aut	horized performance accepted in accordance with the terms	of this Contract will be supported			
		ds, subject to intercept for Commonwealth owed debts under				
		ons, conditions or terms and any changes if rates or terms are				
		this contract (or <i>new</i> total if Contract is being amended). \$_				
		h EFT 45 days from invoice receipt. Contractors requesting at				
		5 days % PPD; Payment issued within 20 days % PP				
% PPD. If PPD percentages are left blank, identify reason:agree to standard 45 day cycle statutory/legal or Ready Payments (M.G.L. c. 29, § 23A); only initial payment (subsequent payments scheduled to support standard EFT 45 day payment cycle. See Prompt Pay Discounts Policy.)						
BRIEF DESCRIPTION OF CONTRACT PERFORMA	NCE or REASON FOR AMENDMI	ENT: (Enter the Contract title, purpose, fiscal year(s) and a d				
		g documentation and justifications.) Reimbursement of cos	sts to homeowners associated			
with implementation of testing for the presence of ANTICIPATED START DATE: (Complete ONE option		actor certify for this Contract, or Contract Amendment, that C	Contract obligations:			
, ,	• /	ations have been incurred <b>prior</b> to the Effective Date.				
		w and no obligations have been incurred prior to the Effective	e Date.			
		nd the parties agree that payments for any obligations incurre				
		ent payments, and that the details and circumstances of all of				
		ases the Commonwealth from further claims related to these				
		with no new obligations being incurred after this date unless				
provided that the terms of this Contract and performance expectations and obligations shall survive its termination for the purpose of resolving any claim or dispute, for completing any negotiated terms and warranties, to allow any close out or transition performance, reporting, invoicing or final payments, or during any lapse between amendments.						
•	<u> </u>					
<u>CERTIFICATIONS</u> : Notwithstanding verbal or other representations by the parties, the " <u>Effective Date</u> " of this Contract or Amendment shall be the latest date that this Contract or Amendment has been executed by an authorized signatory of the Contractor, the Department, or a later Contract or Amendment Start Date specified above, subject to any required						
		incorporated by reference as electronically published and the				
required under the Standard Contract Form Instruction	ns and Contractor Certifications und	der the pains and penalties of perjury, and further agrees to pr	rovide any required documentation			
		f this Contract and doing business in Massachusetts are atta				
		mmonwealth Terms and Conditions, this Standard Contract F				
Instructions and Contractor Certifications, the Request for Response (RFR) or other solicitation, the Contractor's Response (excluding any language stricken by a Department as unacceptable, and additional negotiated terms, provided that additional negotiated terms will take precedence over the relevant terms in the RFR and the Contractor's Response only in						
made using the process outlined in 801 CMR 21.07, incorporated herein, provided that any amended RFR or Response terms result in best value, lower costs, or a more cost effective						
Contract.						
AUTHORIZING SIGNATURE FOR THE CONTRACT	OR:	AUTHORIZING SIGNATUR	E FOR THE			
X: Date:		COMMONWEALTH:				
X: Date: (Signature and Date Must Be Handwritten At Time of Signature)						
Print Name:	<u>.</u>	X: Date: (Signature and Date Must Be Handwritten At Time of Signature)				
Print Title: N/A			at time of Signature)			
		Print Name: Layla R. D'Emilia	<u> </u>			
Print Title: Commissioner .						

# Form W-9 (Revised April 2022) Massachusetts Substitute Form W-9

## Request for Taxpayer Identification Number and Certification

Give this Form to the requestor or the department you are doing business with.

► Online instructions at: macomptroller.org/wp-content/uploads/instructions\_w-9.pdf

	1 Busi	ness name/Taxpayer (as shown on your income tax return). Nam	e is required on this	line; do not le	ave this line blank.	
	2 Business name/disregarded entity name/dba, if different from above.					
69	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.					4 Exemptions (codes apply only to certain entitles, not individuals; see instructions on Page 4):
pe. ons on pac	Individual/sole proprietor C Corporation S Corporation Partnership Trust/estate				Exempt payee code (if any):	
Print or type. See Specific Instructions on page 3.	Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership   Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check				Exemption from FATCA reporting code (if any):	
ee Specifi		LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.				(Applies to accounts maintained
Ø)		Other (see instructions)				outside the U.S.)
	5 Lega	al Address (number, street, and apt. or suite no.) See instructions	ı.	Requester's	name and address (option	al)
	6 City	state, and ZIP code				
	7 Rem	ittance Address (if different from Legal Address)				
Par	t I	Taxpayer Identification Number (TII	N)			
avoid b Howev	ackup v er, for a	I in the appropriate box. The TIN provided must match th withholding. For individuals, this is generally your social s resident alien, sole proprietor, or disregarded entity, see	ecurity number (\$ the instructions (	SSN). for Part I,	Social security number	
		r other entities, it is your employer identification number ( fow to get a TIN, on Page 5.	(EIN). If you do no	ot have a	or	
and No	imber to	count is in more than one name, see the instructions for o Give the Requester for guidelines on whose number to		Vhat Name	Employer identification	n number
Please		r n with the state agency if this is required for vendors ral funds.		22, all vendo	rs that receive federal	grant funds must submit their Awards Management (SAM).
Par	11	Certification				
Under 1. The 2. Lar Ser no 3. Lar	penaltie e numbe n not su rvice (IF longer s n a U.S	s of perjury, I certify that: er shown on this form is my correct taxpayer identificatio abject to backup withholding because: (a) I am exempt from State I am subject to backup withholding as a result of subject to backup withholding; and . citizen or other U.S. person (defined below); and A code(s) entered on this form (if any) indicating that I an	om backup withho a failure to report	olding, or (b) all interest of	I have not been notified or dividends, or (c) the I	d by the Internal Revenue
Certifi	cation i	nstructions. You check the following box if you have be holding because you have failed to report all interest and	en notified by the	IRS that you	are currently subject	Item 2 does not early
transac of debt	tions, it , contrib ds, you	em 2 does not apply. For mortgage interest paid, acquisiti outions to an individual retirement arrangement (IRA), an are not required to sign the certification, but you must pro-	on or abandonme d generally, paym	ent of secure ents other th	d property, cancellation an interest and	Item 2 does not apply.
		tive Commonwealth of Massachusetts state employee: (		Yes	No	
req	uireme	rtify compliance with the Massachusetts State Ethics Cor hts at https://www.mass.gov/ethics.	nmission			
Sign Here		Signature of U.S. person >			Date ▶	

### General Instructions

Section references are to the Internal Revenue Code unless otherwise

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gow/FormW9.

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number

SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, on Page 3.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- 2. Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See What is FATCA reporting, on Page 3, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your

U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

- The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
- 2. The treaty article addressing the income.
- The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
- The type and amount of income that qualifies for the exemption from tax.
- Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form
W-9 a statement that includes the information described above to

W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.



## COMMONWEALTH OF MASSACHUSETTS OFFICE OF THE COMPTROLLER

Electronic Funds Transfer (EFT) Authorization Agreement

Complete this form to enroll, modify, or terminate an existing in electronic funds transfer (EFT) agreement with
the Commonwealth of Massachusetts Departments.

PART I: REASON FOR SUBMISSION – See Instructions on Page 2							
New Enrollment Change Enrollment	Cancel Enrollm	nent Do	cument Include	ed: Voided (	Check	Bank Letter	
PART II: ACCOUNT HOLDER INFORMAT	ION- See Instructions or	Page 2					
Account Holder Legal Name: DBA Name:							
Street Address:		City:			State:	Zip Code:	
Account Holder Tax Identification Number (9 digits E	EIN or SSN) EIN:			SS	N:		
PART III: FINANCIAL INSTITUTION INFO	RMATION- See Instruc	rtions on Page	2				
Financial Institution Name:							
Routing Number (only nine digits):	Account Number:			Account Ty	ype (Checkin	ng or Saving):	
IF YOU ARE MODIFYING BANKING INFO REQUEST WILL BE RETURNED	RMATION, YOU MUS	T INCLUDE	YOUR OLD	BANK IN	FORMATI	ION OR YOUR	
Old Financial Institution Name:							
Old Routing Number (only 9 digits):	Old Account Number:			Old Accou	nt Type(Che	Checking or Saving):	
PART IV: VENDOR/CUSTOMER CONTACT EFT - See Instructions on Page 2	INFORMATION: Thi			et for any q	uestions reg	garding this	
Contact Person's Name: Contact Person's Title:							
Contact Person's Phone: Contact Person's Email Address:							
PART V: AUTHORIZATION- See Instructions	on Page 2						
By signing below, I hereby certify that the account(s) indicated on this form is under my direct control and access; therefore, I authorize the State Treasurer as fiscal agent for the Commonwealth of Massachusetts to initiate, change, or cancel credit entries to the account(s) as indicated on this form. For ACH debits consistent with the International ACH Transaction (IAT) rules check one:							
I affirm that payments authorized by this agreement are not to an account that is subject to being transferred to a foreign bank account.							
I affirm that payments authorized by this agreement are to an account that is subject to being transferred to a foreign bank account.							
This authority is to remain in full force and effect until the Office of Comptroller (CTR) has received written notification from either me or an authorized officer of the organization of the account's termination in such time and in such a manner as to afford CTR a reasonable opportunity to							
act upon it.							
Account Holder must sign and mail this EFT form and include a confirmation of account information on bank letterhead or a void check and mail to the Commonwealth Department you are doing business with.							
Account Holder Authorized Signature:		Print Name				Date:	
		Title					

PART VI: VERIFICATION FROM THE COMMONWEALTH DEPARTMENT – See Instructions on Page 2						
I hereby certify the Vendor/Customer is an authorized signatory and verified by internal records and verbal confirmation initiated by our department.						
VCC/VCM Document ID: Three letter Department Code:						
Signature: Print Name:	Title:Phone#		Date:			

### INSTRUCTIONS FOR COMPLETING THE EFT AUTHORIZATION AGREEMENT

All EFT requests are subject to a 5 (five) day pre-certification period in which all accounts are verified by the qualifying financial institution before any direct deposits are made.

### PART I: REASON FOR SUBMISSION

Indicate your reason for completing this form by checking the appropriate box: New EFT enrollment, a change to your EFT enrollment account information, or cancellation of your EFT enrollment.

### PART II: ACCOUNT HOLDER INFORMATION

- Account Holder Name: Enter the accounts holder legal name (individual or business name), as reported
- to the Internal Revenue Service (IRS).
- DBA Name: Enter the DBA name if applicable.
- Street Address: Enter the account holder's street address.
- Enter the account holder's city, state, and zip code.
- Account Holder Tax Identification Number: Enter the tax identification number as reported to the IRS. If the business is a group,
  organization or corporation, provide the Federal employer identification number (EIN). If enrolling as an individual provide your Social
  Security Number.

### PART III: FINANCIAL INSTITUTION INFORMATION

- Financial Institution Name: Enter your Financial Institution's name (this is the name of the bank or qualifying depository
- that will receive the funds).
- NOTE: The account name to which EFT payments will be paid is to the name submitted on Part II of this form.
- Routing Number: Enter the bank or financial institutional nine-digit routing number, including applicable leading zeros.
- Account Number: Enter the account holder's account number with the financial institution, including applicable leading zeros.
- Account Type: Enter the account type (Checking or Saving).
- If account holder is changing the banking information, you must provide OLD banking information.
- Old Financial Institution Name: Enter your Financial Institution's name (this is the name of the bank or qualifying depository that will receive the funds).
- Old Routing Number: Enter the Old bank or financial institutional nine-digit routing number, including applicable leading zeros.
- Old Account Number: Enter the Old account holder's account number with the financial institution, including applicable leading zeros.
- Account Type: Enter the Old account type (Checking or Saving).
  - NOTE: Supporting bank documents must be in the account holder legal name only.
- If you do not submit this information, your EFT authorization agreement will be returned without further processing.

### PART IV: CONTACT INFORMATION

- Enter the name and title of a contact person who can answer questions about the information submitted on this EFT form.
- Enter the contact person's telephone number. Enter the contact person's e-mail address.

### PART V: AUTHORIZATION

- By your signature on this form, you are certifying that the account is drawn in the Name of an Individual, or the Legal Business Name of the person or entity who has sole control of the account to which EFT deposits are made.
- The EFT authorization form must be signed and dated by the same account holder name in Part II and include a title and telephone number.
- Mail this form with the original signature in black or blue ink (no facsimile signatures can be accepted) to the Commonwealth Department that you doing business with.

### PART VI: VERIFICATION FROM THE COMMONWEALTH DEPARTMENT

By your signature on this form, you are certifying that authentication of the vendor/customer's authorized signatory was conducted by review of the Contractor Signatory Authorization Form (CASL) or by another internal verification process, and additional verification was conducted to confirm banking or address change request. Departments should have multiple known vendor contacts to confirm any registration change.

## Commonwealth of Massachusetts Division of Professional Licensure

Office of Public Safety & Inspections

1000 Washington Street, Suite 710- Boston MA 02118

# Effects of Pyrrhotite on Home Concrete Foundations

### **BACKGROUND**

Pyrrhotite is an iron sulfide mineral that has been found in at least one quarry in northeastern Connecticut. Over the years, materials extracted from this quarry have been used in concrete mixtures and the concrete has been used in varied construction projects in\around Connecticut and central Massachusetts regions. Pyrrhotite that is exposed to oxygen and water may react and cause severe swelling and cracking. As the concrete continues to deteriorate, concrete foundations may become structurally unsound.

The cracking is not normal settling or shrinkage and it may take 15 - 20 years for the pyrrhotite damage to appear. Cracks are typically horizontal, on a 45° angle, or appear in a spider pattern. A white powdery substance may be noticeable in\around the cracks, brown stains or drips that resemble rust may also be evident. (See <u>Image 1</u> below.)



## <u>Image 1</u>

Many Connecticut residents have experienced the effects of pyrrhotite damage to foundations. Some Massachusetts residents are seeing or suspecting damage due to pyrrhotite as well. Concrete mix originating from a batching plant located in Stafford Connecticut used in structures circa 1983 through 2015 are of greatest concern. Concrete trucks may only travel about 50 miles beyond the plant location before the concrete begins to harden.

Damage caused by pyrrhotite is irreversible. The most effective repair is to replace the existing foundation with a new one that does not contain pyrrhotite. The cost to replace a foundation can vary greatly based on multiple factors, but estimates range between \$150,000 and \$250,000 per home.

### What can be done?

The first thing to do is determine whether or not there is reason to be concerned. Concrete may and does crack for a number of reasons, settling, excess moisture content, etc., so just because there are cracks in a foundations does not necessarily mean it is due to the presence of pyrrhotite. A few things should be considered:

- Is the structure located within 50 miles of the J.J. Mottes Plant, 10 Meadow Lane, Stafford Springs Connecticut?
- Was the structure built between 1983 and 2015?
- Is there visible cracking beyond the norm?

If the answer is yes to one or more of these questions, there may be reason for concern and further investigation should be done.

### Visual Inspection and Core Sampling.

First, a visual inspection should be done by a qualified person and findings should be memorialized in a report. If the inspection concludes that there is no evidence of pyrrhotite damage, nothing further is required. Continued cracking should be monitored since, as mentioned earlier, pyrrhotite damage may take years to become evident.

Next, if a visual inspection is inconclusive or the inspection reports evidence of pyrrhotite damage, a core sample should be taken and tested for more definite results.

# Who is considered qualified to perform visual inspection and report finding?

A Massachusetts licensed:

- Engineer;
- Architect;
- Construction Supervisor; or
- Certified Building Code Enforcement Official are all considered qualified for such work.

# <u>Are engineers, architects, construction supervisor, or building officials licensed in Connecticut considered qualified to perform inspections?</u>

Certainly each of these individuals, by education and\or experience, may be consider qualified. However, Massachusetts law requires such individuals to be licensed in the Commonwealth.

Many engineers and\or architects (collectively referred to as Registered Design Professionals or RDPs) are licensed in multiple states. If you are interested in using an out-of-state RDP to perform an inspection, please be sure that they are appropriately licensed in the Commonwealth. Licenses may be checked @

https://www.mass.gov/how-to/check-a-professional-license

### Are reciprocal\comity or temporary licenses available through the Commonwealth to out-of-state RDPs?

<u>Yes.</u> Recognizing the unique situation related to the effects of pyrrhotite, the Commonwealth's Division of Professional Licensure (DPL) has established an expedited approval process for applicants.

Out-of-state RDPs who wish to apply to the Commonwealth should start by emailing the Licensing Board directly at engineerboard@mass.gov or by calling the Board at (617) 727-9957.

Additionally, an applicant who submits a complete application to the Board will be granted a temporary permit. This permit, which is valid as long as a complete application is pending before the Board, allows an applicant to legally work in Massachusetts using the seal of his/her home state of licensure. Please ask the Board for more information.

If preferred, an out of state RDP can also qualify by working under the license of a Massachusetts licensee without having to obtain a temporary permit.

### <u>Is assistance available for homeowners affected by this issue?</u>

<u>Yes.</u> The Massachusetts legislature has established a reimbursement fund to help assist with visual inspection and\or core sampling costs.

### How can I apply for assistance?

Download an application @

https://www.mass.gov/lists/construction-control-documents

### All applications must be accompanied by:

- **Proof of Home Ownership** (For Condos: proof of foundation ownership usually the association declaration Examples of homeownership include mortgage statements, tax bills, copies of deeds, etc.).
- Testing and \or Visual Inspection Report and Results.
- Pictures of Foundation Damage (If not in Report).
- **Invoice or other Documentation of Costs** (Such as a cancelled check).
- Dated Records of House Addition (If applicable).
- List of Other Units that Share Foundation (For Condos).
- **Commonwealth Standard Contract Form** (*Needed for the Commonwealth to process payment*).
- **W-9 Form** (For tax purposes)
- Electronic Fund Transfer Form (EFT)

### Completed applications and support material shall be returned to:

Office of Public Safety & Inspections, Crumbling Foundations 1000 Washington Street, Suite 710, Boston, MA 02118 Questions directed to Robert.Anderson@mass.gov.

### Are there other eligibility requirements to be considered?

• No. Legislation was recently revised, removing distance and time-built requirements that appear in the original bill's text, allowing any homeowner in the commonwealth to apply for reimbursement, regardless of the home's location or when constructed.

### How are applications approved and what benefits may I expect?

Applications are reviewed for completeness. If approved, applicants will be reimbursed at a rate of:

- 100% for visual testing conducted by a licensed professional engineer up to \$400 maximum; and
- 75% for the testing of two core samples up to \$5000 maximum.

Please remember, this is a reimbursement program, so monies have to be expended first and evidence of expenditures must be submitted with the applications. Applicants cannot prospectively request reimbursement for costs.

### Who is considered eligible to draw core samples?

No specific license is required to draw concrete core samples from home foundations, but specialized tools and knowledge are essential. The best way to find qualified companies is to perform a web search of *concrete core sampling in Massachusetts*; numerous results will appear. Caution should be exercised to be sure that the company and its personnel are reputable and reliable.

### Where can core samples be tested?

Testing for the presence of pyrrhotite is specialized. Again, a web search for *concrete testing laboratories in Massachusetts* will reveal several results, but Massachusetts laboratories may not be equipped to perform necessary tests. Since no special license is required for pyrrhotite testing in Massachusetts, you may wish to consult a list of available vendors in Connecticut @

### http://crcog.org/concrete-vendors/

What about business owners who suspect that pyrrhotite may be causing damage to their commercial business buildings? Are they eligible to apply for expended testing costs?

No, not at this time.

# What if I find out that there is significant damage to my foundation requiring replacement, is there additional monetary assistance available?

At this time, the answer is no. However, pyrrhotite damage to home foundations is a relatively new issue in Massachusetts. Depending on the extent of damage and number of homes involved, further assistance may be available in the future.