Environmental Testing Consultants, LLC

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LEAD-BASED PAINT INSPECTION

FORMER CHURCH RESIDENCE
317 LaREINE AVENUE
BRADLEY BEACH, NEW JERSEY

Submitted to:
Borough of Bradley Beach
701 Main Street
Bradley Beach, New Jersey 07720

Submitted by:
Environmental Testing Consultants, LLC
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James Madden
New Jersey Lead Inspector/Risk Assessor
ID# 011653
September 16, 2020

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EXECUTIVE SUMMARY

Environmental Testing Consultants, LLC (ETC) was contracted by the Borough of Bradley Beach to perform a lead-based paint (LBP) inspection of the Former Church Residence located at 317 LaReine Avenue, Bradley Beach, New Jersey.

This lead evaluation was undertaken pursuant to N.J.A.C. 5:10-1.10. A paint inspection is conducted to identify on a component by component basis where, and in what condition, LBP is present.

On site, the inspection consisted of:

1. XRF instrument
2. A visual assessment of paint condition.

Testing was completed by New Jersey Certified Lead Inspector/Risk Assessor James Madden (ID# 011653) on September 8, 2020.

ETC collected two hundred eight (208) XRF readings throughout the interior and exterior of the residence in completing this evaluation.

Findings indicate that lead in the amounts greater than or equal to 1.0 mg/cm^2 or greater than 0.5% by weight in paint was found on twenty (20) interior and exterior components using the protocol outlines in N.J.A.C. 5:17.

It is understood that all findings represent conditions at the time of testing. This report should be kept on file for the life of the facility.

ETC will be available to answer any questions you may have concerning this report.

METHODOLOGIES

A. XRF TESTING

The technology used for testing was the Niton XLP 306A X-Ray Fluorescence (XRF) Lead in Paint Spectrum Analyzer (Serial 23622) with a radioactive assay date of 4/26/13, and is considered state-of-the art equipment for measuring the level of lead in paint. All personnel operating the XRF analyzer received prior to training from Thermo Fisher Scientific, Inc.

The Performance Characteristic Sheet for the Niton XLP instrument states: XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold. Threshold range was determined by comparing results to the 1.0 mg/cm^2 standards.

QUALITY CONTROL

The calibration of the Niton XRF 306A is done in accordance with Performance Characteristic Sheets (PCS). The XRF instrument is calibrated using the paint film nearest 1.0 mg/cm^2 in the National Institute of Standards and Technology (NIST), Standard Reference Material (SRM) used. If readings are outside the acceptable calibration range, manufacturers recommendations are used to bring the instrument into calibration. If the instrument cannot be brought back into calibration, is removed from service and returned to manufacturer for examination, service and/or re-calibration.

Performance Characteristic Sheet

EFFECTIVE DATE: **September 24, 2004** **EDITION NO.: 1**

MANUFACTURER AND MODEL:

Make: *Niton LLC*
Tested Model: *XLp 300*
Source: ^{109}Cd
Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.
XLp 300A, XLp 301A, XLp 302A and XLp 303A.
XLi 700A, XLi 701A, XLi 702A and XLi 703A.
XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is <u>not</u> needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)

	All Data			Median for laboratory-measured lead levels (mg/cm^2)		
Substrate	25^{th} Percentile	Median	75^{th} Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.*

RESULTS

A. XRF TESTING

The U.S. Department of Housing and Urban Development (HUD), and the U.S. Environmental Protection Agency (EPA) established 1.0 mg/cm^2 or greater as a lead-based coating (dried film), as determined through the use of XRF instrumentation.

Included in this report are two (2) XRF Reports. The **Confirmed Positive Report** only shows positive readings that are equal to or greater than 1.0 mg/cm^2, the HUD/EPA regulatory standard (this report is omitted if no positive readings are found). The **XRF Results Report** lists all of the positive and negative readings taken and includes calibration readings collected at the beginning and end of the inspection on an NIST traceable paint film standard rated at 1.02 mg/cm^2.

A legend/floor plan designates "Wall 1" as the wall facing the street address. In a clockwise direction, "Wall 2" is to the left, "Wall 3" is the wall farthest from "Wall 1", and "Wall 4" is to the right. Doors, windows, and closets are designated as left, center, or right depending on their location on the wall, and a diagram of components is provided to identify areas tested.

The paint condition of all surfaces is rated in accordance with the criteria established in Chapter 5 - Table 5.3 "Conditions of Paint Film Quality" of the HUD Guidelines. The condition is rated as Good if the paint is in sound, intact condition, Fair if the paint has ≤10 ft^2 (exterior); ≤2 ft^2 (interior); or ≤10% (small components) of damage, and Poor if the paint has >10 ft^2 (exterior); >2 ft^2 (interior); >10% (small components).

It should be understood that when one (1) component was tested in a particular room, it is assumed that the one (1) component represents all like components in that particular room, with the exception of the walls, All four (4) walls in each particular room were tested in accordance with the HUD inspection protocol.

A total of 208 readings were collected from interior and exterior surfaces plus 10 calibration readings taken before, and at the end of the testing. Twenty (20) interior and exterior surface components were registered at or above the EPA regulatory limit of 1.0 mg/cm^2.

LBP could create lead dust hazards if the paint is deteriorated or is turned into dust by abrasion, scraping, or smudging.

For a complete listing of the positive results, see the "Confirmed Positive" Report.

LEGEND

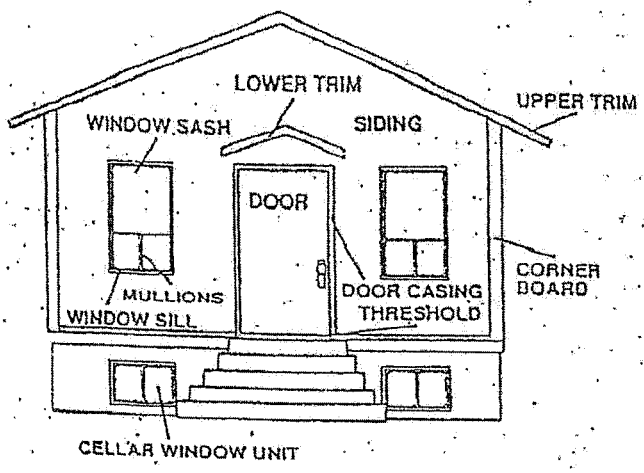
WALL "1"

WALL "4"

WALL 1 = WALL FACING STREET ADDRESS
WALL 2 = LEFT SIDE
WALL 3 = ALWAYS FARTHEST FROM WALL "1"
WALL 4 = RIGHT SIDE

WALL "2"

WALL "3"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MULLIONS
WINDOW SILL
DOOR CASING
THRESHOLD
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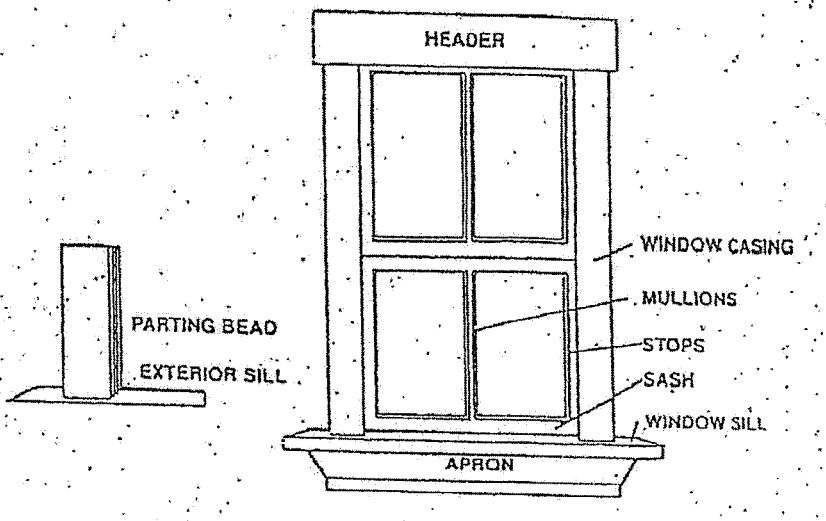
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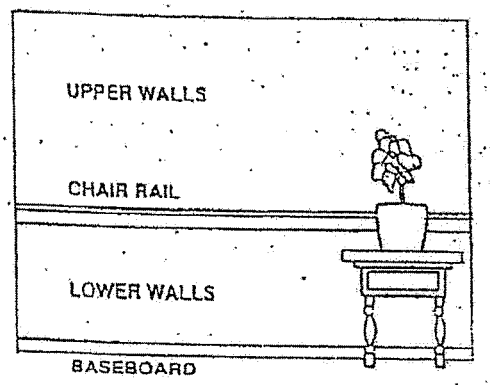
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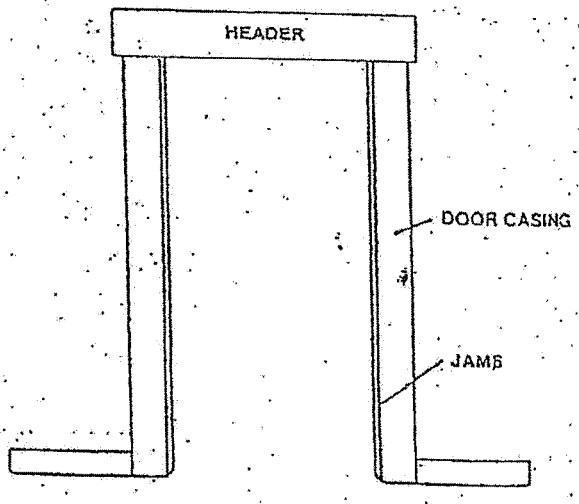
LOWER WALLS
BASEBOARD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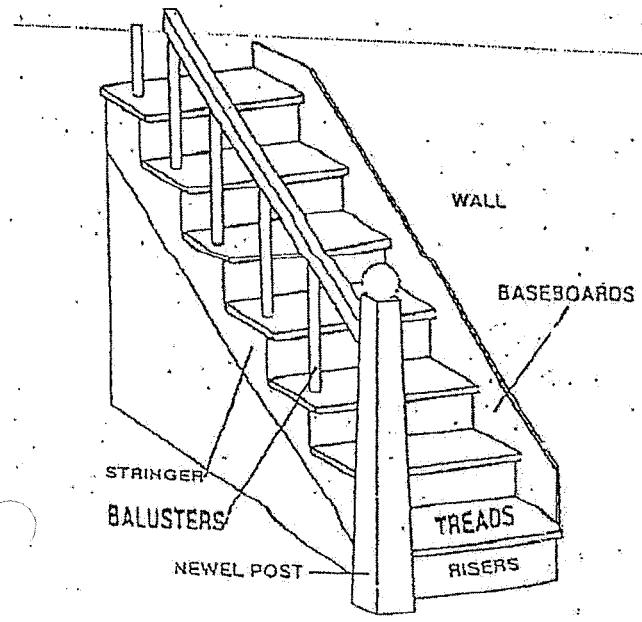
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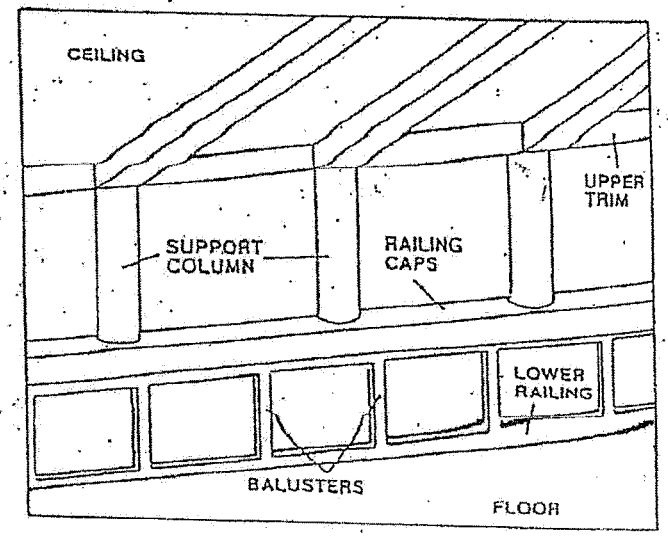
BALUSTERS
TREADS
RISERS
NEWEL POST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UPPER TRIM
SUPPORT COLUMN
RAILING CAPS
LOWER RAILING
BALUSTERS
FLOOR

LEAD HAZARD CONTROL OPTIONS/RECOMMENDATIONS

The following abatement and interim controls are acceptable hazard control measures in accordance with the HUD Guidelines.

1. **Remove and replace components with new energy efficient materials**
   Component replacement is the most desirable abatement method because it offers a permanent solution to the lead-based paint problem. However, it is the most expensive method.

2. **Chemically remove LBP from components or frictional/impact surfaces**
   Chemical stripping results in less leaded dust generation than other removal methods. When chemical stripping is conducted on a wood substrate, it has been our experience that a primer will need to be applied following removal to achieve clearance. Observe all manufacturers' direction for use of paint removers.

3. **Enclosure for walls, floors or impact surfaces**
   Enclosure is the installation of a rigid, durable barrier that is mechanically attached to the building components. Paint deteriorates more quickly behind enclosure. All edges of an enclosure, especially the bottom, must be sealed well with caulking or other sealant.

4. **Paint film stabilization, not an option for frictional/impact surfaces**
   Paint stabilization can be achieved by wet scraping the loose cracked and chipping paint. Once any loose paint has been removed, clean the treated area with a HEPA vacuum. Use a tri-sodium phosphate (TSP) or suitable alternative to wash the treated areas. After the TSP wash, HEPA vacuum the treated areas again to capture any residual dust. Then perform a paint film stabilization by applying a primer and topcoat.

5. **Manage in Place** indicates the Lead-Based Paint (LBP) on the components was in good condition and the components can be left in place without hazard response at this time.

It is recommended that each removable components that was confirmed positive for LBP should be removed and replaced. Any components that would call for excessive removal practices are to be contained using interim controls.

All of the painted surfaces where positive lead readings were recorded need to be maintained in "good" condition. Keep children away from areas where there is peeling, chipping or flaking paint.

All soft, movable or otherwise structurally unsound components should be repaired prior to any abatement or interim control.

After implementation of any lead hazard control option, reevaluation/clearance testing is needed to ensure lead hazards has been controlled.

CONFIRMED POSITIVE RESULTS

Units	Component	Substrate	Side	Condition	Floor	Room	Results	Action Level	PbC	PbL	PbK
mg / cm ^2	Baseboard	Wood	1	Deteriorated	1	Living Room	Positive	1.00	9.80	2.80	9.80
mg / cm ^2	Window Sash	Wood	4	Deteriorated	1	Living Room	Positive	1.00	29.10	7.10	29.10
mg / cm ^2	Baseboard	Wood	2	Deteriorated	1	Dining Room	Positive	1.00	2.50	0.80	2.50
mg / cm ^2	Window Sash	Wood	2	Deteriorated	1	Dining Room	Positive	1.00	24.50	10.10	24.50
mg / cm ^2	Baseboard	Wood	1	Intact	1	Kitchen	Positive	1.00	4.70	4.70	5.20
mg / cm ^2	Window Case	Wood	2	Deteriorated	B	Basement	Positive	1.00	27.70	10.10	27.70
mg / cm ^2	Window Sash	Wood	2	Deteriorated	B	Basement	Positive	1.00	31.10	9.50	31.10
mg / cm ^2	Window Sash	Wood	2	Deteriorated	1/2	Stair #2	Positive	1.00	7.20	7.20	9.30
mg / cm ^2	Window Sash	Wood	2	Deteriorated	2	Hallway	Positive	1.00	30.50	10.10	30.50
mg / cm ^2	Window Sill	Wood	3	Intact	2	Bedroom #1	Positive	1.00	3.80	3.80	3.40
mg / cm ^2	Window Sash	Wood	3	Deteriorated	2	Bedroom #1	Positive	1.00	30.50	10.10	30.50
mg / cm ^2	Window Apron	Wood	3	Intact	2	Bedroom #1	Positive	1.00	4.30	4.30	3.90
mg / cm ^2	Window Case	Wood	3	Intact	2	Bedroom #1	Positive	1.00	3.80	3.80	3.40
mg / cm ^2	Window Sash	Wood	4	Deteriorated	2	Bedroom #2	Positive	1.00	2.90	2.90	3.20
mg / cm ^2	Window Sash	Wood	1	Deteriorated	2	Bedroom #3	Positive	1.00	6.80	3.80	6.80
mg / cm ^2	Window Sash	Wood	1	Deteriorated	2	Bedroom #4	Positive	1.00	3.10	2.30	3.10
mg / cm ^2	Window Sash	Wood	1	Deteriorated	3	Bedroom #6	Positive	1.00	3.60	1.50	3.60
mg / cm ^2	Threshold	Wood	1	Deteriorated	1	Exterior	Positive	1.00	23.10	6.60	23.10
mg / cm ^2	Door Case	Wood	1	Deteriorated	1	Exterior	Positive	1.00	3.50	3.50	4.20
mg / cm ^2	Window Case	Wood	2	Deteriorated	1	Exterior	Positive	1.00	27.50	8.80	27.50

XRF RESULTS

Units	Component	Substrate	Side	Condition	Floor	Room	Results	Action Level	PbC	PbL	PbK
mg / cm ^2	Wall	Plaster	1	Deteriorated	1	Living Room	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	Wall	Plaster	2	Deteriorated	1	Living Room	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Wall	Plaster	3	Deteriorated	1	Living Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Wall	Plaster	4	Deteriorated	1	Living Room	Negative	1.00	0.17	0.17	0.60
mg / cm ^2	Ceiling	Ceiling Tile	1	Intact	1	Living Room	Negative	1.00	0.00	0.00	0.08
mg / cm ^2	Baseboard	Wood	1	Deteriorated	1	Living Room	Positive	1.00	9.80	2.80	9.80
mg / cm ^2	Door	Wood	1	Intact	1	Living Room	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	Door Jamb	Wood	1	Intact	1	Living Room	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Door Case	Wood	1	Intact	1	Living Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Window Sill	Wood	4	Intact	1	Living Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Window Apron	Wood	4	Intact	1	Living Room	Negative	1.00	0.03	0.03	0.50
mg / cm ^2	Window Sash	Wood	4	Deteriorated	1	Living Room	Positive	1.00	29.10	7.10	29.10
mg / cm ^2	Window Case	Wood	4	Intact	1	Living Room	Negative	1.00	0.01	0.01	0.70
mg / cm ^2	Radiator	Metal	4	Intact	1	Living Room	Negative	1.00	0.17	0.17	0.60
mg / cm ^2	Closet Wall	Plaster	3	Intact	1	Living Room	Negative	1.00	0.07	0.07	0.50
mg / cm ^2	Shelf	Wood	3	Intact	1	Living Room	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	ShelfSupport		3	Intact	1	Living Room	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Closet Door	Wood	3	Intact	1	Living Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Closet Jamb	Wood	3	Intact	1	Living Room	Negative	1.00	0.20	0.20	1.60
mg / cm ^2	Closet Case	Wood	3	Intact	1	Living Room	Negative	1.00	0.03	0.03	0.50
mg / cm ^2	Wall	Plaster	1	Intact	1	Dining Room	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	Wall	Plaster	2	Intact	1	Dining Room	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Wall	Plaster	3	Intact	1	Dining Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Wall	Plaster	4	Intact	1	Dining Room	Negative	1.00	0.17	0.17	0.60
mg / cm ^2	Ceiling	Plaster	1	Intact	1	Dining Room	Negative	1.00	0.00	0.00	0.30
mg / cm ^2	Baseboard	Wood	2	Deteriorated	1	Dining Room	Positive	1.00	2.50	0.80	2.50
mg / cm ^2	Window Sill	Wood	2	Intact	1	Dining Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Window Apron	Wood	2	Intact	1	Dining Room	Negative	1.00	0.07	0.07	0.40
mg / cm ^2	Window Sash	Wood	2	Deteriorated	1	Dining Room	Positive	1.00	24.50	10.10	24.50
mg / cm ^2	Window Case	Wood	2	Intact	1	Dining Room	Negative	1.00	0.07	0.07	0.70
mg / cm ^2	Cabinet	Wood	2	Intact	1	Dining Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Wall	Plaster	1	Intact	1	Kitchen	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	Wall	Plaster	2	Intact	1	Kitchen	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Wall	Plaster	3	Intact	1	Kitchen	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Wall	Plaster	4	Intact	1	Kitchen	Negative	1.00	0.17	0.17	0.60
mg / cm ^2	Ceiling	Plaster	2	Intact	1	Kitchen	Negative	1.00	0.07	0.07	0.50

mg / cm ^2	Baseboard	Wood	1	Intact	1	Kitchen	Positive	1.00	4.70	4.70	5.20
mg / cm ^2	Window Sill	Wood	4	Intact	1	Kitchen	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Window Apron	Wood	4	Intact	1	Kitchen	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Window Case	Wood	4	Intact	1	Kitchen	Negative	1.00	0.02	0.02	-0.08
mg / cm ^2	Wall	Sheetrock	1	Intact	4	Mud Room	Negative	1.00	0.14	0.14	0.50
mg / cm ^2	Wall	Sheetrock	2	Intact	4	Mud Room	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Wall	Sheetrock	3	Intact	4	Mud Room	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Wall	Sheetrock	4	Intact	4	Mud Room	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Ceiling	Sheetrock	2	Intact	4	Mud Room	Negative	1.00	0.02	0.02	-0.08
mg / cm ^2	Baseboard	Wood	2	Intact	4	Mud Room	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Door	Metal	3	Intact	4	Mud Room	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	Door Jamb	Wood	3	Intact	4	Mud Room	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Door Case	Wood	3	Intact	4	Mud Room	Negative	1.00	0.03	0.03	0.40
mg / cm ^2	Wall	Sheetrock	1	Intact	1	Mud Room	Negative	1.00	0.14	0.14	0.50
mg / cm ^2	Wall	Sheetrock	2	Intact	1	Bath #1	Negative	1.00	0.02	0.02	-0.08
mg / cm ^2	Wall	Sheetrock	3	Intact	1	Bath #1	Negative	1.00	0.14	0.14	0.50
mg / cm ^2	Wall	Sheetrock	4	Intact	1	Bath #1	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Ceiling	Sheetrock	1	Intact	1	Bath #1	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Baseboard	Wood	2	Intact	1	Bath #1	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Door	Wood	2	Intact	1	Bath #1	Negative	1.00	0.02	0.02	-0.08
mg / cm ^2	Door Jamb	Wood	2	Intact	1	Bath #1	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Door Case	Wood	2	Intact	1	Bath #1	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Window Case	Wood	3	Intact	1	Bath #1	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Wall	Plaster	1	Deteriorated	1/B	Stair #1	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Wall	Plaster	2	Deteriorated	1/B	Stair #1	Negative	1.00	0.14	0.14	0.50
mg / cm ^2	Wall	Plaster	3	Deteriorated	1/B	Stair #1	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Wall	Plaster	4	Deteriorated	1/B	Stair #1	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Ceiling	Plaster	1	Deteriorated	1/B	Stair #1	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Door	Metal	2	Intact	1/B	Stair #1	Negative	1.00	0.02	0.02	-0.08
mg / cm ^2	Door Jamb	Wood	2	Intact	1/B	Stair #1	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Door	Wood	3	Intact	1/B	Stair #1	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Door Jamb	Wood	3	Intact	1/B	Stair #1	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Door Case	Wood	3	Intact	1/B	Stair #1	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Tread	Wood	1	Intact	1/B	Stair #1	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Riser	Wood	1	Intact	1/B	Stair #1	Negative	1.00	0.01	0.01	0.04
mg / cm ^2	Stringer	Wood	1	Intact	1/B	Stair #1	Negative	1.00	0.02	0.02	0.60
mg / cm ^2	Wall	Block	1	Deteriorated	B	Basement	Negative	1.00	0.03	0.03	0.40

mg / cm ^2	Wall	Block	2	Deteriorated	B	Basement	Negative	1.00	0.14	0.14	0.50
mg / cm ^2	Wall	Block	3	Deteriorated	B	Basement	Negative	1.00	0.02	0.02	-0.08
mg / cm ^2	Wall	Block	4	Deteriorated	B	Basement	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Window Case	Wood	2	Deteriorated	B	Basement	Positive	1.00	27.70	10.10	27.70
mg / cm ^2	Window Sash	Wood	2	Deteriorated	B	Basement	Positive	1.00	31.10	9.50	31.10
mg / cm ^2	Wall	Plaster	1	Intact	1/2	Stair #2	Negative	1.00	0.00	0.00	0.30
mg / cm ^2	Wall	Plaster	2	Intact	1/2	Stair #2	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Wall	Plaster	3	Intact	1/2	Stair #2	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Wall	Plaster	4	Intact	1/2	Stair #2	Negative	1.00	0.03	0.03	0.12
mg / cm ^2	Ceiling	Plaster	1	Intact	1/2	Stair #2	Negative	1.00	0.14	0.14	0.50
mg / cm ^2	Window Sill	Wood	2	Intact	1/2	Stair #2	Negative	1.00	0.08	0.08	0.15
mg / cm ^2	Window Apron	Wood	2	Intact	1/2	Stair #2	Negative	1.00	0.50	0.50	1.10
mg / cm ^2	Window Sash	Wood	2	Deteriorated	1/2	Stair #2	Positive	1.00	7.20	7.20	9.30
mg / cm ^2	Window Case	Wood	2	Intact	1/2	Stair #2	Negative	1.00	0.02	0.02	0.11
mg / cm ^2	Tread	Wood	1	Intact	1/2	Stair #2	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Riser	Wood	1	Intact	1/2	Stair #2	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Stringer	Wood	1	Intact	1/2	Stair #2	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Handrail	Wood	1	Intact	1/2	Stair #2	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Wall	Plaster	1	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Wall	Plaster	2	Intact	2	Hallway	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Wall	Plaster	3	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Wall	Plaster	4	Intact	2	Hallway	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Ceiling	Plaster	1	Intact	2	Hallway	Negative	1.00	0.03	0.03	0.12
mg / cm ^2	Baseboard	Wood	1	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.30
mg / cm ^2	Window Sill	Wood	2	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Window Apron	Wood	2	Intact	2	Hallway	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Window Sash	Wood	2	Deteriorated	2	Hallway	Positive	1.00	30.50	10.10	30.50
mg / cm ^2	Closet Wall	Plaster	3	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.30
mg / cm ^2	Shelf	Wood	3	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Shelf Support	Wood	3	Intact	2	Hallway	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Closet Door	Wood	3	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Closet Jamb	Wood	3	Intact	2	Hallway	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Closet Case	Wood	3	Intact	2	Hallway	Negative	1.00	0.29	0.29	0.50
mg / cm ^2	Wall	Plaster	1	Intact	2	Bath #2	Negative	1.00	0.02	0.02	0.11
mg / cm ^2	Wall	Plaster	2	Intact	2	Bath #2	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Wall	Plaster	3	Intact	2	Bath #2	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Wall	Plaster	4	Intact	2	Bath #2	Negative	1.00	0.00	0.00	0.40

mg / cm ^2	Ceiling	Plaster	1	Intact	2	Bath #2	Negative	1.00	0.02	0.02	0.23
mg / cm ^2	Door	Wood	1	Intact	2	Bath #2	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Door Jamb	Wood	1	Intact	2	Bath #2	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Door Case	Wood	1	Intact	2	Bath #2	Negative	1.00	0.01	0.01	0.26
mg / cm ^2	Window Sill	Wood	3	Intact	2	Bath #2	Negative	1.00	0.06	0.06	0.40
mg / cm ^2	Window Case	Wood	3	Intact	2	Bath #2	Negative	1.00	0.20	0.20	0.30
mg / cm ^2	Wall	Plaster	1	Intact	2	Bedroom #1	Negative	1.00	0.00	0.00	0.30
mg / cm ^2	Wall	Plaster	2	Intact	2	Bedroom #1	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Wall	Plaster	3	Intact	2	Bedroom #1	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Wall	Plaster	4	Intact	2	Bedroom #1	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Ceiling	Plaster	1	Intact	2	Bedroom #1	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Baseboard	Wood	2	Intact	2	Bedroom #1	Negative	1.00	0.06	0.06	0.50
mg / cm ^2	Door Jamb	Wood	2	Intact	2	Bedroom #1	Negative	1.00	0.00	0.00	0.40
mg / cm ^2	Window Sill	Wood	3	Intact	2	Bedroom #1	Positive	1.00	3.80	3.80	3.40
mg / cm ^2	Window Sash	Wood	3	Deteriorated	2	Bedroom #1	Positive	1.00	30.50	10.10	30.50
mg / cm ^2	Window Apron	Wood	3	Intact	2	Bedroom #1	Positive	1.00	4.30	4.30	3.90
mg / cm ^2	Window Case	Wood	3	Intact	2	Bedroom #1	Positive	1.00	3.80	3.80	3.40
mg / cm ^2	Wall	Plaster	1	Intact	2	Bedroom #2	Negative	1.00	0.14	0.14	0.17
mg / cm ^2	Wall	Plaster	2	Intact	2	Bedroom #2	Negative	1.00	0.00	0.00	0.18
mg / cm ^2	Wall	Plaster	3	Intact	2	Bedroom #2	Negative	1.00	0.20	0.20	0.30
mg / cm ^2	Wall	Plaster	4	Intact	2	Bedroom #2	Negative	1.00	0.00	0.00	0.30
mg / cm ^2	Ceiling	Plaster	1	Intact	2	Bedroom #2	Negative	1.00	0.00	0.00	0.17
mg / cm ^2	Baseboard	Wood	2	Intact	2	Bedroom #2	Negative	1.00	0.18	0.18	0.60
mg / cm ^2	Door	Wood	2	Intact	2	Bedroom #2	Negative	1.00	0.00	0.00	0.26
mg / cm ^2	Door Jamb	Wood	2	Intact	2	Bedroom #2	Negative	1.00	0.00	0.00	0.27
mg / cm ^2	Door Case	Wood	2	Intact	2	Bedroom #2	Negative	1.00	0.14	0.14	0.21
mg / cm ^2	Window Sash	Wood	4	Deteriorated	2	Bedroom #2	Positive	1.00	2.90	2.90	3.20
mg / cm ^2	Window Sill	Wood	4	Intact	2	Bedroom #2	Negative	1.00	0.01	0.01	0.21
mg / cm ^2	Closet Wall	Plaster	1	Intact	2	Bedroom #2	Negative	1.00	0.15	0.15	0.29
mg / cm ^2	Shelf	Wood	1	Intact	2	Bedroom #2	Negative	1.00	0.08	0.08	0.27
mg / cm ^2	Shelf Support	Wood	1	Intact	2	Bedroom #2	Negative	1.00	0.08	0.08	0.50
mg / cm ^2	Closet Door	Wood	1	Intact	2	Bedroom #2	Negative	1.00	0.14	0.14	0.17
mg / cm ^2	Closet Jamb	Wood	1	Intact	2	Bedroom #2	Negative	1.00	0.00	0.00	0.18
mg / cm ^2	Closet Case	Wood	1	Intact	2	Bedroom #2	Negative	1.00	0.20	0.20	0.30
mg / cm ^2	Wall	Plaster	1	Intact	2	Bedroom #3	Negative	1.00	0.15	0.15	0.29
mg / cm ^2	Wall	Plaster	2	Intact	2	Bedroom #3	Negative	1.00	0.08	0.08	0.27
mg / cm ^2	Wall	Plaster	3	Intact	2	Bedroom #3	Negative	1.00	0.08	0.08	0.50

mg / cm ^2	Wall	Plaster	4	Intact	2	Bedroom #3	Negative	1.00	0.14	0.14	0.17
mg / cm ^2	Baseboard	Wood	1	Intact	2	Bedroom #3	Negative	1.00	0.00	0.00	0.18
mg / cm ^2	Door	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.01	0.01	0.21
mg / cm ^2	Door Jamb	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.00	0.00	0.18
mg / cm ^2	Door Case	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.20	0.20	0.30
mg / cm ^2	Window Sill	Wood	1	Intact	2	Bedroom #3	Negative	1.00	0.15	0.15	0.29
mg / cm ^2	Window Apron	Wood	1	Intact	2	Bedroom #3	Negative	1.00	0.08	0.08	0.27
mg / cm ^2	Window Sash	Wood	1	Deteriorated	2	Bedroom #3	Positive	1.00	6.80	3.80	6.80
mg / cm ^2	Closet Wall	Plaster	3	Intact	2	Bedroom #3	Negative	1.00	0.15	0.15	0.29
mg / cm ^2	Shelf	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.00	0.00	0.18
mg / cm ^2	Shelf Support	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.20	0.20	0.30
mg / cm ^2	Closet Door	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.15	0.15	0.29
mg / cm ^2	Closet Jamb	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.08	0.08	0.27
mg / cm ^2	Closet Case	Wood	3	Intact	2	Bedroom #3	Negative	1.00	0.08	0.08	0.27
mg / cm ^2	Wall	Plaster	1	Intact	2	Bedroom #4	Negative	1.00	0.26	0.26	0.50
mg / cm ^2	Wall	Plaster	2	Intact	2	Bedroom #4	Negative	1.00	0.00	0.00	-0.29
mg / cm ^2	Wall	Plaster	3	Intact	2	Bedroom #4	Negative	1.00	0.03	0.03	0.24
mg / cm ^2	Wall	Plaster	4	Intact	2	Bedroom #4	Negative	1.00	0.00	0.00	0.14
mg / cm ^2	Ceiling	Plaster	1	Intact	2	Bedroom #4	Negative	1.00	0.00	0.00	0.24
mg / cm ^2	Baseboard	Wood	3	Intact	2	Bedroom #4	Negative	1.00	0.11	0.11	0.50
mg / cm ^2	Door	Wood	3	Intact	2	Bedroom #4	Negative	1.00	0.09	0.09	0.03
mg / cm ^2	Door Jamb	Wood	3	Intact	2	Bedroom #4	Negative	1.00	0.11	0.11	0.50
mg / cm ^2	Door Case	Wood	3	Intact	2	Bedroom #4	Negative	1.00	0.15	0.15	0.50
mg / cm ^2	Window Sill	Wood	1	Intact	2	Bedroom #4	Negative	1.00	0.12	0.12	0.70
mg / cm ^2	Window Apron	Wood	1	Intact	2	Bedroom #4	Negative	1.00	0.11	0.11	0.18
mg / cm ^2	Window Sash	Wood	1	Deteriorated	2	Bedroom #4	Positive	1.00	3.10	2.30	3.10
mg / cm ^2	Window Case	Wood	1	Intact	2	Bedroom #4	Negative	1.00	0.11	0.11	0.50
mg / cm ^2	Wall	Plaster	2	Deteriorated	2/3	Stair #3	Negative	1.00	0.00	0.00	-0.29
mg / cm ^2	Wall	Plaster	3	Deteriorated	2/3	Stair #3	Negative	1.00	0.03	0.03	0.24
mg / cm ^2	Wall	Plaster	4	Deteriorated	2/3	Stair #3	Negative	1.00	0.26	0.26	0.50
mg / cm ^2	Door	Wood	2	Intact	2/3	Stair #3	Negative	1.00	0.00	0.00	-0.29
mg / cm ^2	Door Jamb	Wood	2	Intact	2/3	Stair #3	Negative	1.00	0.03	0.03	0.24
mg / cm ^2	Door Case	Wood	3	Intact	2/3	Stair #3	Negative	1.00	0.00	0.00	0.14
mg / cm ^2	Tread	Wood	1	Intact	2/3	Stair #3	Negative	1.00	0.00	0.00	0.24
mg / cm ^2	Riser	Wood	1	Intact	2/3	Stair #3	Negative	1.00	0.11	0.11	0.50
mg / cm ^2	Stringer	Wood	1	Intact	2/3	Stair #3	Negative	1.00	0.00	0.00	0.14
mg / cm ^2	Wall	Plaster	1	Deteriorated	3	Bedroom #5	Negative	1.00	0.11	0.11	0.50

mg / cm ^2	Wall	Plaster	2	Deteriorated	3	Bedroom #5	Negative	1.00	0.00	0.00	-0.29
mg / cm ^2	Wall	Plaster	3	Deteriorated	3	Bedroom #5	Negative	1.00	0.03	0.03	0.24
mg / cm ^2	Wall	Plaster	4	Deteriorated	3	Bedroom #5	Negative	1.00	0.26	0.26	0.50
mg / cm ^2	Ceiling	Plaster	1	Deteriorated	3	Bedroom #5	Negative	1.00	0.00	0.00	-0.29
mg / cm ^2	Baseboard	Wood	1	Intact	3	Bedroom #5	Negative	1.00	0.03	0.03	0.24
mg / cm ^2	Window Sill	Wood	3	Deteriorated	3	Bedroom #5	Negative	1.00	0.00	0.00	0.14
mg / cm ^2	Window Apron	Wood	3	Deteriorated	3	Bedroom #5	Negative	1.00	0.00	0.00	0.24
mg / cm ^2	Window Sash	Wood	3	Deteriorated	3	Bedroom #5	Negative	1.00	0.11	0.11	0.50
mg / cm ^2	Window Case	Wood	3	Deteriorated	3	Bedroom #5	Negative	1.00	0.00	0.00	0.24
mg / cm ^2	Wall	Plaster	1	Deteriorated	3	Bedroom #6	Negative	1.00	0.11	0.11	0.50
mg / cm ^2	Wall	Plaster	2	Deteriorated	3	Bedroom #6	Negative	1.00	0.15	0.15	0.50
mg / cm ^2	Wall	Plaster	3	Deteriorated	3	Bedroom #6	Negative	1.00	0.12	0.12	0.70
mg / cm ^2	Wall	Plaster	4	Deteriorated	3	Bedroom #6	Negative	1.00	0.00	0.00	-0.29
mg / cm ^2	Ceilng	Plaster	1	Deteriorated	3	Bedroom #6	Negative	1.00	0.03	0.03	0.24
mg / cm ^2	Baseboard	Wood	1	Deteriorated	3	Bedroom #6	Negative	1.00	0.00	0.00	0.14
mg / cm ^2	Window Sill	Wood	1	Deteriorated	3	Bedroom #6	Negative	1.00	0.00	0.00	0.24
mg / cm ^2	Window Apron	Wood	1	Deteriorated	3	Bedroom #6	Negative	1.00	0.16	0.16	0.60
mg / cm ^2	Window Case	Wood	1	Deteriorated	3	Bedroom #6	Negative	1.00	0.40	0.40	0.60
mg / cm ^2	Window Sash	Wood	1	Deteriorated	3	Bedroom #6	Positive	1.00	3.60	1.50	3.60
mg / cm ^2	Wall	Vinyl	1	Intact	1	Exterior	Negative	1.00	0.16	0.16	0.60
mg / cm ^2	Threshold	Wood	1	Deteriorated	1	Exterior	Positive	1.00	23.10	6.60	23.10
mg / cm ^2	Door Case	Wood	1	Deteriorated	1	Exterior	Positive	1.00	3.50	3.50	4.20
mg / cm ^2	Window Case	Wood	2	Deteriorated	1	Exterior	Positive	1.00	27.50	8.80	27.50
mg / cm ^2	Wall	Brick	2	Deteriorated	3	Exterior	Negative	1.00	0.03	0.03	0.24

LICENSES

Lead Identification Permit

New Jersey Department of Health

JAMES N MADDEN

Permit No.: 035721

ID No.: 011653

Expires: 3/3/2022

Authorization Signature

Christina Tan, MD, M.P.H., Assistant Commissioner

Inspector/Risk Assessor

New Jersey Department of Environmental Protection
Bureau of Environmental Radiation
Radioactive Materials Program
Mail Code 25-01
P.O. Box 420
Trenton, NJ 08625-0420
Phone (609) 984-5462
Fax (609) 633-2210

Radioactive Materials License

Pursuant to the Radiation Protection Act (N.J.S.A. 26:2D) and the Radiation Code (N.J.A.C. 7:28, et seq.), as amended, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive material(s) designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations. This license is subject to all applicable rules, regulations, and orders of the New Jersey Department of Environmental Protection, now or hereafter in effect, and to any conditions specified below.

DOCUMENT INFORMATION

Program Interest (PI) ID: 425288

Issuance Date: 11/18/2019

License Number: 425288 - RAD190001

Expiration Date: 04/30/2023

ADMINISTRATIVE INFORMATION

Licensee Name and Administrative Address:
ENVIRONMENTAL TESTING CONSULTANTS LLC
413 N BLACK HORSE PK
RUNNEMEDE, NJ 08078

Radiation Safety Officer:
James Madden

PROGRAM INFORMATION

Program Code	Description
03122	Measuring Systems Analytical Instruments

LICENSE CONDITIONS

This license is subject to the following conditions:

Section A – Authorized Materials, Form, Limits, Uses & Users
Section B – Authorized Locations
Section C – Source & Device Inventory
Section D – Supporting Documents
Section E – License Conditions

This license, which shall be effective immediately, is issued on behalf of the Department under the authority of:

Issued By: Sarah Adkisson

Date: 11/18/2019

SECTION A – Materials, Form, Limits, Uses & Users

Material	Form	Max Limit	Authorized Uses	Authorized Users
Cadmium-109	Sealed Source	50 millicuries	Non-Human Use - Sealed source(s) contained within a compatible device/gauge listed in Section C of this license document.	James Madden
Cobalt-57	Sealed Source	48 millicuries		

SECTION B – Authorized Locations

Site ID	Site Name	Street Address	Location Description
496441	ENVIRONMENTAL TESTING CONSULTANTS	413 BLACKHORSE PK N RUNNEMEDE, NJ 08078	Storage, Possession, Use: Designated device storage area
N/A	TEMPORARY JOB SITES	Temporary job sites wherever New Jersey retains regulatory authority.	Possession or Use Only (no storage)

SECTION C – Source & Device Inventory

ID	Device Type	Device Mfg	Device Model #	Device Serial #	Source Description
935814	X-Ray Fluorescence	EDAX Portable Products Division	Map 4	M41505	Co-57 - not to exceed 12 mCi per source: E.I. DuPont/New England Nuclear Model NER-472, Amersham Corporation Models CTC.D2 or CTC.Dl, or Isotope Products Model PHI-XXX GFS.
935815	X-Ray Fluorescence	EDAX Portable Products Division	Map 4	M41630	
935816	X-Ray Fluorescence	EDAX Portable Products Division	Map 4	M41276	
935817	X-Ray Fluorescence	EDAX Portable Products Division	Map 4	M41477	
1129128	X-Ray Fluorescence	Thermo NITON Analyzers LLC	XLP 300A	93088	Cd-109 - not to exceed 50 mCi per source: QSA Global, Inc. Model CUC.D1 or CUC.P1, or Isotope Products Laboratories Model XFB-3

SECTION D – Supporting Documents

Doc Type	Title/Description	Date	Contact Name (signature)
Radioactive Material License Application	NJ Application	03/28/2013	Howard Zenobi
Letter	RAI-RAD130001	06/18/2013	Howard Zenobi

SECTION E – License Conditions (Requirements Report attached)

Subject Item: PI 425288 -

1. This licensee must confine their use of radioactive materials to the materials, physical forms, maximum possession limits, authorized uses and authorized users listed in Section A of this license document. Licensed material shall only be used at the locations and/or within devices specified in Sections B and C of this license document. [N.J.A.C. 7:28-51.1]

2. The Radiation Safety Officer (RSO) specified in the Administrative Information section of this license document shall be responsible for ensuring that all individuals using the sealed source(s)/device(s) specified in this license are properly trained in the safe use and handling of the sealed source(s)/material(s). [N.J.A.C. 7:28-51.1]

3. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the correspondences specified in Section D of this license document. [N.J.A.C. 7:28-51.1]

4. Compliance with State and Federal agencies having jurisdiction and regulations for radioactive materials must be maintained. [N.J.A.C. 7:28-51.1]

5. (A) Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State.
(B) In the absence of a certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months.
(C) Notwithstanding Paragraphs A and B of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
(D) In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
(E) Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
(F) Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination. [N.J.A.C. 7:28-51.1]

Subject Item: PI 425288 -

6. (A) Sealed source leak tests shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the Department in accordance with N.J.A.C. 7:28-51.1 [10 CFR 30.50(c)(2)]and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Department regulations.
(B) Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the Department, the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by the Department, the NRC or an Agreement State to perform such services.
(C) Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years. [N.J.A.C. 7:28-51.1]

7. Except for maintaining labeling as required by N.J.A.C. 7:28-6.1 or 61.1 (10 CFR Part 20 or 71), the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission or Agreement State before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Registration Certificates issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State. [N.J.A.C. 7:28-51.1]

8. Each portable device shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user. [N.J.A.C. 7:28-51.1]

9. Any cleaning, maintenance, or repair of the gauge(s) that requires detaching the source from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the Department, the NRC or an Agreement State to perform such services. [N.J.A.C. 7:28-51.1]

10. The device(s)/sealed source(s) specified in this license shall be stored and transported in a manner to ensure against unauthorized handling, possession or removal of radioactive materials. The device(s)/source(s) shall be stored and transported in a manner optimizing the distance between the device and personnel. The licensee is authorized to transport licensed material only in accordance with the provisions of N.J.A.C. 7:28-61.1 (10 CFR Part 71), Packaging and Transportation of Radioactive Material. [N.J.A.C. 7:28-51.1]

11. The licensee shall conduct a physical inventory every six months, or at other interval approved by the Department, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory and shall include radionuclides, quantities, manufacturer's name and model numbers, serial numbers and the date of the inventory. [N.J.A.C. 7:28-51.1]

12. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, specified in Section D of this license document. [N.J.A.C. 7:28-51.1]

PHILIP D. MURPHY
Governor
LOCATION
101 S BROAD ST
TRENTON NJ 08608

STATE OF NEW JERSEY
DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
LEAD HAZARD UNIT

LT. GOVERNOR SHEILA Y. OLIVER
Commissioner
MAILING ADDRESS
101 S BROAD ST
TRENTON NJ 08618

Certificate - Lead Evaluation Contractor

RECERTIFIED

This is to certify that the Department of Community Affairs has certified

ENV. TESTING CONSULTANTS, LLC
413 NORTH BLACK HORSE PIKE
RUNNEMEDE NJ 08078

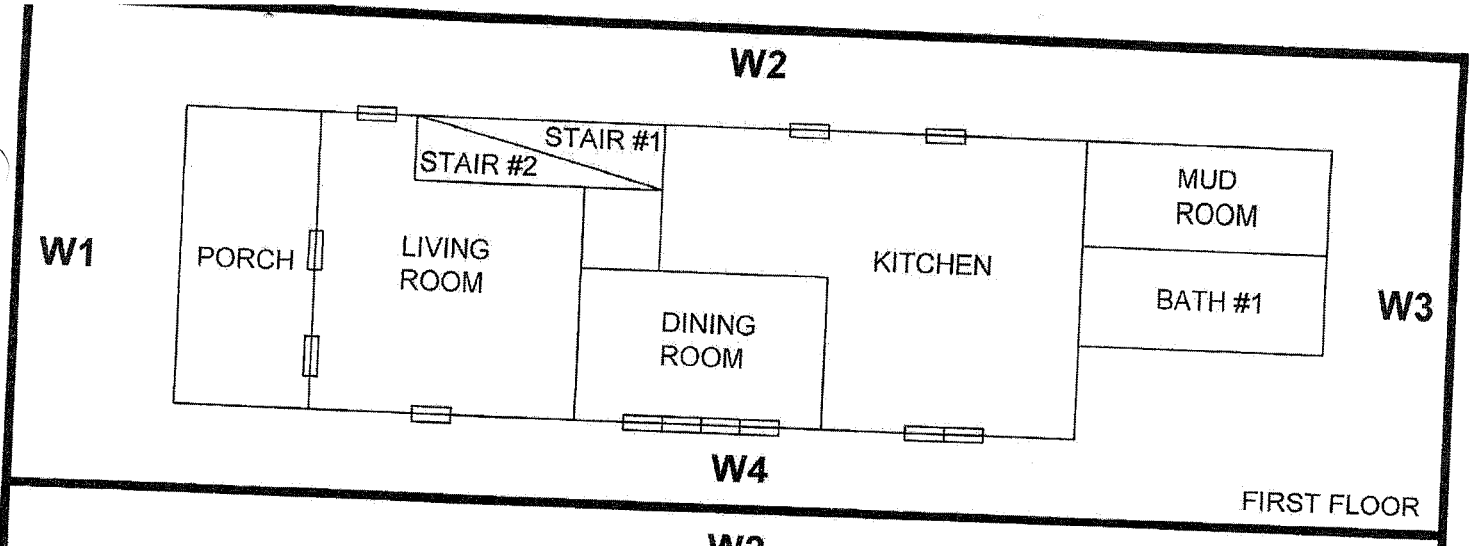
To act as a Lead Evaluation Contractor on the following Projects

Residential
Public Buildings
Comm/Steel Structure

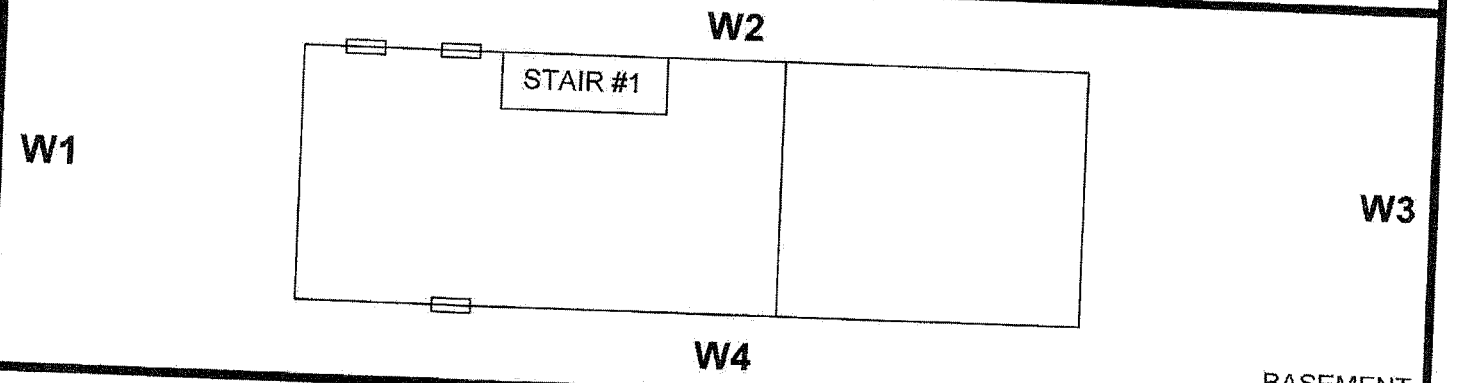
Cert #: 00335-E
Effective Date: 1/1/2020
Expiration Date: 12/31/2021
Certificate Type: 2 YEAR

DCA
Community Affairs
KLACERT (Rev. 04/30/2019)

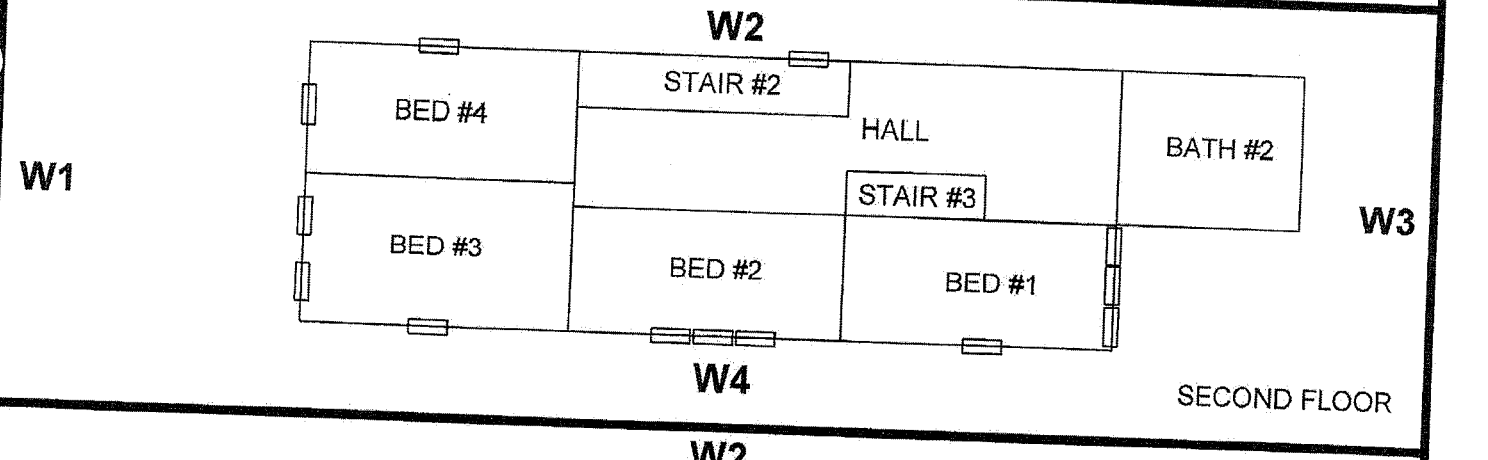
DRAWING



FIRST FLOOR



BASEMENT



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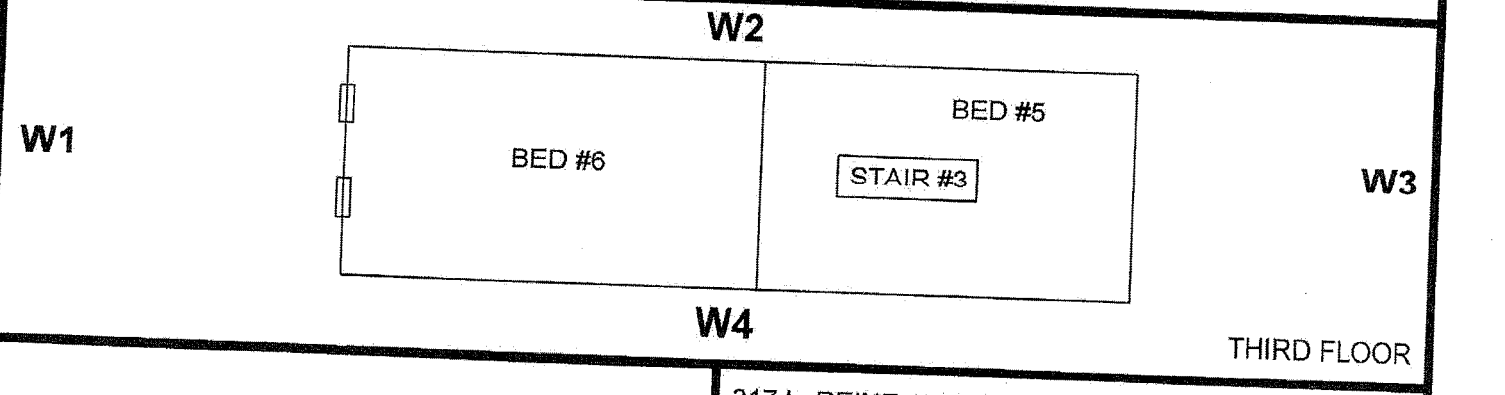

THIRD FLOOR

Environmental Testing Consultants, LLC
413 N. Black Horse Pike
Runnemede, New Jersey 08078
856-482-1311

317 LaREINE AVENUE
BRADLEY BEACH, NEW JERSEY

E20-0817-01

SCALE: NTS

SK-1

CHK BY:

DWG. BY: