SECTION 02 83 19.02
INTERIOR LEAD ABATEMENT WORK PLAN TEMPLATE ECU FINAL 7-28-2025

AT

1.01 REFERENCE STANDARDS

A. 29 CFR 1910 - Occupational Safety and Health Standards; Current Edition.

B. 29 CFR 1910.134 - Respiratory protection; Current Edition.

C. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

D. 29 CFR 1926.62 - Lead; current edition.

E. 40 CFR 261 - Identification and Listing of Hazardous Waste; Current Edition.

1.02 PROPERTY NAME

A. CONTRACT NO. CMXXXXXXX

B. TASK ORDER No. XXXX

C. ORACLE XXXX

1.03 PREPARED FOR:

1.04 NEW YORK CITY HOUSING AUTHORITY

A. Assets and Capital Management Division | Project Management Team 1. 24-02 49th Avenue, 3rd floor Long Island City, New York .11101.

1.05 PREPARED BY:

1.06 XXXXXXXXXX XXXXXX, INC.

A. Preparer Address City, State and Zip code

1.07 DATE

A. TABLE OF CONTENT

1. Section Page No.
2. 1 General Information
    a. Location Information
    b. Site Contact Persons
    c. Development Log Book
    d. Scope of Work-Lead Safe Work Practice
    e. Positive LBP Component
    f. General Safety and Health
    g. Regulatory Compliance
    h. Submittals
    i. Materials and Equipment
    j. Work Area Preparation
    k. Performing the Task (General)
    l. Final Clean Up
    m. Visual Inspection and Clearance Dust Wipes
    n. Waste Storage
    o. APPENDIX - A - Contractor’s Permit, License & Insurance
    p. APPENDIX - B - Respiration Protection Plan
    q. APPENDIX - C - Hazardous Communication Program
    r. APPENDIX - D – Safety Data Sheet
    s. APPENDIX - E – USEPA Lead Safe Certified Guide to Renovate Right.
    t. APPENDIX – F - Occupant Protection Plan.
    u. APPENDIX -G - Lead Abatement Report.
    v. APPENDIX -H- Notice of Hazard Reduction (Where Applicable).

w. APPENDIX -I- Notice of Commencement Form.

3. General Information
   a. Owner:
      1) New York City Housing Authority Assets and Capital Management Division
      2) 24-02 49th Avenue, 3rd floor Long Island City, New York, 11101.
      3) Tel. #: (212) 306-3154
      4) Fax. #: (212) 306-5118
      5) Contact Person:
      6) Building Owner Representative name, telephone number.
      7) Project Manager name, telephone number.
         (a) Construction Manager as Agent:
      8) xxxxx Construction Corp
      9) Address: xxxxx
      10) Tel. #: (xxx) xxx-xxxx
      11) Fax #: (xxx) xxx-xxxx
      12) Cell #: (xxx) xxx-xxxx
      13) Contact Person: xxxxxxxx – Project Manager
         (a) General Contractor: xxxxxxxxxxx
      14) Address
      15) Tel. #: (xxx)xxx-xxxx
      16) Fax #. (xxx)xxx-xxxx
      17) Contact Person: xxxxxxxxxx
         (a) Lead Abatement Contractor:
      18) Xxxxxxx
      19) Address (xxx)xxx
      20) Fax #. (xxx)xxx-xxxx
      21) Contact Person: xxxxxxxxxxxxx
   b. Third-Party Lead Exposure Monitoring Firm:
      1) xxxxxxxxxxxxxx Address (xxx)xxx-x
      2) Fax #. (xxx)xxx-xxxx
      3) Contact Person: xxxxxxxxxxxxx
   c. Lead Laboratory details:
      1) xxxxxxxxxxxxxx Address (xxx)xxx
      2) Fax #. (xxx)xxx-xxxx
      3) Contact Person: xxxxxxxxxxxxx

4. 2. Location Information
      1) (i). Name of Development:
         (a) NYCHA – xxxxxxxxxx Houses xxxxxx
      2) (ii) Location of Development:
         (a) xxxxxxxxxxx Houses – located in the Borough of xxxxx, City of New York and State of New York. Block #: xxxx & Lot #:xxx.

(iii)	List of Buildings: ---------- HOUSES
	1, ----------
	2, ----------
	3, ----------
	4, ----------
	5. ----------

b. Site Contact Persons
    1) Lead Abatement Contractor:
        (a) xxxxxxxxxxxxxxxxx Tel. #: (xxx) xxx-xxxx Fax #. (xxx) xxx-xxxx
        (b) Contact Person: xxxxxxxxxxxxxxx---- President (xxx) xxx-xxxx
            (1) xxxxxxx – Project Manager (xxx)-xxx-xxxx
            (2) xxxxxx – Site Superintendent (xxx) xxx-xxxx xxxxxx – Lead Supervisor (xxx) xxx-xxx
c. Development Logbook
    1) xxxxxxxxx Houses contractors log book is located at (Management Office xxxx) City, NY, x x x x x (AKA Building xxxxx) in the maintenance office of the building.
    2) (Contractor name) is the General Contractor on the project and will also be conducting the Lead abatement work Plan on the xxxxxxx structures on the buildings. (contractor) will sign the contractor's logbook on or before 9:00 am on a daily basis as per NYCHA requirements.
        (a) SCOPE OF WORK — LEAD ABATEMENT WORK PLAN
    3) All lead-based paint impacted components in common areas or apartment units impacted by the scope of work of this contract shall be abated in accordance with USEPA CFR Part 745 Subpart D and HUD regulations 24 CFR 35.1120(a)--Hazard reduction.
        (a) Exceptions:
            (1) Structural components which cannot be removed or fully exposed within the common area or apartment. All exposed and accessible areas of such components shall be abated or remediated in compliance with the EPA Renovate, Repair & Painting (RRP) Rule and HUD guidelines to remove all lead-based paint from all accessible component surfaces with written pre-approval from NYCHA's Designated Representative.
            (2) Emergency Projects. (Need contractual definition and should be added to definitions section) the contractor may deviate from the abatement requirement in apartments and interior common areas with written pre-approval from NYCHA's Designated Representative. In such cases, work impacting any lead-based paint components, regardless of the area of disturbance, shall be performed under RRP protocols. Following remediation, a dust wipe clearance test shall be successfully performed in the work area.
    4) Abatement methodologies for lead-based paint components which are also historic, or landmark elements shall be determined in consultation with the New York State Historic Preservation Office (SHPPO). Additionally, all planned abatements that occur at, around, or associated with Historic Artwork or artifacts will be performed in consultation with the New York State Historic Preservation Officer (SHPO) as required by SHPPO/ the Land Preservation Trust. The Contractor shall not abate historic or landmark elements without written pre-approval from NYCHA's Designated Representative.
    5) The Contractor may elect to remove, in-tact any lead-based paint components in apartments or interior common areas under RRP protocols in lieu of Lead Abatement. In such cases following remediation, a dust wipe clearance test must be successfully performed prior to resident re-entry to the work area.
    6) Proper Clean-up of work area and adjacent surfaces/areas throughout the process.
    7) Following lead abatement activities, a visual inspection shall be performed by NYCHA's Designated Representative in coordination with the Abatement Supervisor to confirm that the work area has been cleaned.

8) Visual Inspection shall also be performed following building components removal work in apartments and interior common areas.
9) The Abatement Contractor or Certified Renovator must perform cleaning verification and a third-party certified risk assessor or inspector procured by NYCHA must conduct a dust wipe clearance examination. Dust wipe clearance must be performed for all lead remediation work performed in interior common areas and apartments prior to residents re-occupying the work area.
10) The Certified Renovator must perform cleaning verification. NYCHA will procure a third-party certified risk assessor or inspector to conduct a visual inspection and dust wipe clearance examination. Dust wipe clearance must be performed for all RRP work performed in interior common areas and apartments.

G. CONTRACTOR SHALL RECYCLE ALL CUT INTERIOR COMPONENTS FROM THE APARTMENTS AND COMMON AREAS (E.G. KITCHEN, BATHROOMS) AS PER DIVISION 01, SECTION 01 74 19 "CLEANING AND WASTE MANAGEMENT".

H. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THIS WORK SHALL ALSO INCLUDE ALL SUPPLEMENTARY MISCELLANEOUS ITEMS NOT SPECIFIED BUT IMPLIED OR REQUIRED IN ORDER TO COMPLETE THE WORK DESCRIBED BY THE SPECIFICATIONS.

The scope of work shall consist of the following:

Building(s) #	Location(s)	Lead-based Paint Component	Substrate	Quantity

SAFETY AND HEALTH (GENERAL)

(a) When performing tasks, Contractor's name will ensure that the work area i.e. the wall and other structures of the building's interior components will be cordoned off with caution / warning tape and signs to prevent unlawful entry. Signs will clearly state "WARNING, LEAD WORK AREA, POISON" and "NO SMOKING OR EATING" in accordance with and as described in 29 CFR 1926.62(m). All areas will be regulated and supervised in order to ensure that no unauthorized persons enter within the designated lead-safe work areas.
(b) All applicable / necessary safety precautions will be observed in the work area. There will be no smoking and no eating or drinking in the work area. All polyethylene sheeting will be kept away from open flames. Caution will be exercised when spraying water in the vicinity of electrical outlets. Torn polyethylene sheeting will be repaired using duct tape for minor tears and total sheeting replacement for major tears.
(c) Prior to entering the work area, the workers shall don Tyvek suit, Half Face negative pressure respirators, Head/Foot/Eye protection, as well as any other protective covering measure required. These work practices shall be in place until such time that C o n tr ac to r na m e exposure assessment dictates an increase or decrease in the work practices.
(d) A competent person will be assigned to the project capable of supervising the work and identifying any predictable hazards, authorized to prompt action to eliminate any danger both in the work area and the areas surrounding the work area.
(e) With a fine spray of water, lightly spray painted/coated surfaces/components to be impacted, to limit the creation and dispersal of dust. Periodically rewet these surfaces as well as the air in the work

area(s). Dust levels within the work area(s) must be kept to a minimum. Any dust emissions outside the work area(s) will be deemed unacceptable. Any visible emissions of dust outside the work area(s) will require that work stop until such time as the contractor can demonstrate proper work practices to eliminate such events.

(f) Contractors shall use manual hand tools to perform work in a manner that creates the least amount of dust as possible. If power tools are to be used, they shall be HEPA equipped and must be approved by NYCHA prior to use.

(g) Debris generated during the work shall be placed into six-mil polyethylene bags (bags) and/or a covered cart. Close all bags with an airtight gooseneck seal (e.g., twist the bag, fold it over on itself, and wrap with duct tape and/or plastic tie) sealed with duct tape and/or plastic tie. If components are too large to be removed by bag or cart they shall be wrapped in sheeting and sealed with duct tape.

(h) Bags, carts and/or sheeting shall be wet wiped with a clean damp rag prior to being moved from the work area(s).

(i) Debris shall be immediately removed from the building and placed in a covered container (e.g. roll off dumpster).

(j) Remove Tyvek suit prior to exiting work area. Utilize hand/face wash, and respirator rinse station immediately after exiting work area.

(k) Make sure all tools and other items, including the exteriors of waste containers, are kept free of dust and debris before removing them from the work area.

(l) Clean/Dirty Facilities, Hygiene and Decontamination: To minimize the spread of lead contamination the following facilities will be provided.

(1) Hand washing facilities will be used to decontaminate workers, since leaded dust levels are expected to be low.

(2) The facilities will be located in the vicinity of the work areas and include a change room and a waste cleaning room.

(3) Hands and face will be washed before all breaks prior to smoking and eating, and at the end of the day.

(4) Wastewater will be collected and disposed of in accordance with applicable regulations.

(5) The workers will don disposable suits from street clothes in the change room.

(6) Observe safety precaution in contained work area:

(7) DO NOT SMOKE IN THE WORK AREA

(8) DO NOT EAT OR DRINK IN THE WORK AREA

(9) KEEP POLYETHYLENE SHEETING AWAY FROM OPEN FLAME

(10) EXERCISE CAUTION WHEN SPRAYING WATER IN THE VICINITY OF ELECTRICAL OUTLETS

(11) Contractor name shall prevent any unauthorized personnel from entering work area.

(m) REGULATORY COMPLIANCE

ALL WORK TO BE PERFORMED UNDER THIS CONTRACT IS FOR THE REMOVAL AND /OR PREVENTION OF LEAD-BASED PAINT AND IS SUBJECT TO AND MUST BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES, AND REGULATIONS CONCERNING LBP ABATEMENT AND RENOVATION, REPAIR AND PAINTING WORK AS DIRECTED INCLUDING, BUT NOT LIMITED TO, (A) 24 CFR PART 35 "REQUIREMENTS FOR NOTIFICATION, EVALUATION, AND REDUCTION OF LEAD-BASED PAINT HAZARDS IN FEDERALLY OWNED RESIDENTIAL PROPERTY AND HOUSING RECEIVING FEDERAL ASSISTANCE," (B) 40 CFR PART 745 "LEAD: REQUIREMENTS FOR LEAD-BASED PAINT IN TARGET HOUSING AND CHILD OCCUPIED FACILITIES, "(C) THE UNITED STATES DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT'S ("HUD") "GUIDELINES FOR THE EVALUATION AND CONTROL OF LEAD-BASED PAINT HAZARDS IN HOUSING (2012 EDITION)," AS REQUIRED AND AS SUPPLEMENTED BY NYCHA, (D) EPA LEAD RENOVATION, REPAIR AND PAINTING RULE (APRIL 22, 2008), (E) SECTION 173.14 OF THE HEALTH CODE OF THE CITY OF NEW YORK – SAFETY STANDARDS FOR LEAD-BASED PAINT ABATEMENT (THE "NYC HEALTH CODE"), (F) THE DIRECTIONS FOR THE CORRECTION OF LEAD POISONING HAZARDS OF THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE OF THE CITY OF NEW YORK ("DOHMH"), (G) THIS CONTRACT SPECIFICATION, (H) NYCHA LEAD SAFE HOUSING STANDARD PROCEDURE (SP:050201, REV. 7/5/2022) AND, (I) OSHA 29 CFR 1926.62. "LEAD IN CONSTRUCTION" STANDARD AND ALL OTHER LAWS, RULES, AND REGULATIONS APPLICABLE TO THE CONTRACT AND THE WORK.

THE LEAD ABATEMENT PROCEDURE AT THE PREVIOUSLY STATED LOCATION WILL BE STRICT COMPLIANCE WITH:

(1) HUD Guidelines

(2) Lead Based Paint abatement or lead safe work practices shall be in accordance with applicable regulations of the EPA, OSHA, New York State Department of Health lead guidelines, and New York City Local Law 1 as it relates to lead abatement or lead safe work practices. Where there is a conflict between Federal, State, or Local regulations, the more stringent requirement shall prevail.

(3) C. Standard:

24 CFR Parts 35,36,37 Guidelines for the Evaluation and Control of Lead-Based Paint in Housing (HUD Guidelines July 2012)	HUD Lead-Based Paint Regulations
Local Law 1 of 2004	New York City Lead-Based Paint Regulations
29 CFR 1910	General Industry Standard
29 CFR 1910.1025	Lead Standard for General Industry
29 CFR 1910.134	Respiratory Protection
29 CFR 1910.1200	Hazard Communication
29 CFR 1910.245	Specification for Accident Prevention
29 CFR 1926	Construction Industry Standards
29 CFR 1926.62	Construction Industry Lead Standard
29 CFR 1926.20	General Safety & Health Provisions
29 CFR 1926.21	Safety Training & Education
29 CFR 1926.25	Housekeeping
29 CFR 1926.28	Personal Protective Equipment
29 CFR 1926.51	Washing Facilities
29 CFR 1926.55	Gases, Vapors, Fumes, Dusts & Mists
29 CFR 1926.59	Hazard Communication Standard
29 CFR 1926.62	Construction Industry Lead Standard

29 CFR 1926.103	Respiratory Protection
40 CFR 61 Subpart A	General Provisions
40 CFR 241	Guidelines for the Land Disposal of Solid Waste
40 CFR 257	Criteria for the Land Disposal of Solid Waste
40 CFR 261/262	Waste Disposal Facilities & Practices
40 CFR 745	Requirement for Lead-Based Paint Activities in Target Housing and Child Occupied Facilities
American National Standards Institute (ANSI) Z87.1.2020	Eye Protection
ANSI Z88.2-80	Practices for Respiratory Protection
American Society for Testing Materials (ASTM)	All Applicable Standards
Renovate Right	EPA Lead Safe Certified Guide
Local Law 66 of 2019 (Effective Dec 1, 2021)	New York City Lead-Based Paint Regulations (Amendment)

2) The contractor shall ensure that any programs, licenses, certifications, or other documentation is in procedure with the above and/or any other applicable Federal, State and Local Regulations/Guidelines are provided.
3) The Contractor shall comply with all applicable requirements of the Resource Conservation & Recovery Act (RCRA) of 1976 as amended in 1980 and 1984 by the Hazardous & Solid Waste Amendments (HSWA).
4) These Specifications refer to many requirements found in the HUD guidelines and the preceding references, but in no way is it intended to cite or reiterate all provisions therein or elsewhere. It is the Contractor's responsibility to obtain a copy of, know, understand and abide by all such regulations, guidelines and common practices.
   (a) SUBMITTALS
      (1) Contractor shall submit followings per Section 01 33 00 – Submissions and as directed by Authority's Representative and NYCHA's Asset and Capital Management Division:
      (2) A. Paint remover – Peel-Away 7 by Dumond Chemicals, Inc. Telephone (609) 655-7700, Emergency 1-800-457-4280 (InfoTrack #79363) or approved equal– Manufacturer's literature.
      (3) B. Safety Data Sheets for applicable products to be used must be submitted, and another copy retained on site.
      (4) C. USEPA "Lead-Safe Certified Guide to Renovate Right" must be submitted to the resident and the signed form must be returned to the Development and uploaded into their file, and another copy must be retained on site- (Appendix- E)

D. PRIOR TO ABATEMENT OR REMEDIATION, THE CONTRACTOR SHALL SUBMIT TO NYCHA FOR APPROVAL; A LEAD WORK PLAN (LWP). THE LWP SHALL BE BASED ON THE LWP TEMPLATE APPENDED TO THIS SPECIFICATION AND SHALL BE SUBMITTED TO NYCHA VIA NYCHA'S PROJECT MANAGEMENT SOFTWARE. ABATEMENT SHALL NOT PROCEED IN THE ABSENCE OF A NYCHA-APPROVED LWP. THE LWP SHALL INCLUDE:

(1) An Occupant Protection Plan in accordance with 40 CFR 745.227(e)(5). (Appendix – F)
(2) A copy of the valid EPA Lead Renovation/Abatement Firm Certification for the contractor and subcontractor (where applicable) for abatement. NYCHA does not accept interim EPA certifications.
(3) A copy of the valid EPA certificate/license for the proposed abatement supervisor. NYCHA does not accept interim EPA certifications.
(4) Copies of the EPA Certificates for all the workers to be involved in the abatement. NYCHA does not accept interim EPA certifications.
(5) A copy of the EPA Notice of Abatement (using the EPA Notification of Lead Abatement Activity Form.)- (Appendix -I).
(6) A copy of the DOHMH Notice of Commencement per NYC Health Code, § 173.14(c)(1)(A), if applicable
(7) A description of removal methods to be used, including manufacturer's operating instructions and recommendation for equipment usage.
(8) Chemical Hazard Communication Program as required by OSHA regulations 29 CFR 1926.59.

E. FOLLOWING ABATEMENT, THE CONTRACTOR SHALL SUBMIT AN ABATEMENT REPORT TO NYCHA IN ACCORDANCE WITH 40 CFR. § 745.227(E)(10). (SEE APPENDIX - G). THE ABATEMENT REPORT SHALL BE PREPARED AND SIGNED BY AN EPA-CERTIFIED ABATEMENT SUPERVISOR OR PROJECT DESIGNER AND SUBMITTED TO NYCHA VIA NYCHA'S PROJECT MANAGEMENT SOFTWARE (EBUILDER PROCESS).

THE ABATEMENT REPORT SHALL INCLUDE:

(1) Abatement starts and completion dates.
(2) The name and address of each certified firm conducting the abatement and the name of each supervisor assigned to the abatement project.
(3) A copy of the approved occupant protection plan.
(4) Copies of Date & time stamped photos of the posted OPP in the common area during abatement.
(5) The name, address, and signature of each certified risk assessor or inspector conducting clearance sampling visual inspections or cleaning verification and the date of clearance testing/ inspection/verification.
(6) Copies of the contractor's time & date stamped photo-documentation of the Notice(s) of Hazard Reduction posted.
(7) Copies of the time & date stamped photo-documentation of the Cleaning Verification card(s) and cloth(s).
(8) The results of clearance testing and all soil analyses (if applicable) and the name of each recognized laboratory that conducted the analyses; and
(9) A detailed written description of the abatement, including abatement methods used, locations of rooms and/or components where abatement occurred, reason for selecting abatement methods for each component, and any suggested monitoring of encapsulants or enclosures.
(10) Copies of the Notice(s) of Hazard Reduction (Appendix - H)
(11) Copies of the daily abatement worker sign-in sheets for each day of the abatement.

(12) Copies of each worker's abatement worker certification cards
(13) Copies of manifests and receipts acknowledging disposal of all hazardous and non-hazardous waste material from the project showing delivery date, quantity, and appropriate signature of landfill's authorized representative.
(14) US-EPA "Lead-Safe Certified Guide to Renovate Right" must be submitted to the resident and the signed form must be returned to the Development and uploaded into their file and another copy must be retained on site- (Appendix -E)
(15) Copies of current Certifications of Staff to be assigned to the Contract.
(16) Hazard Communication Program. This must be submitted in the ERWP process in eBuilder for lead work plan.
(17) Name of the firm conducting the exposure monitoring and the laboratory providing analytical services. Such laboratory must be ELAP certified by NYS Dept. of Health and by U.S. EPA through its NLLAP.
(18) Written Respiratory Program. This must be submitted in the ERWP process in the lead work plan e-Builder.
(19) The Contractor must provide Chain-of-Command and responsibility at work site, including the names of supervisor, foreman, and competent person, resumes and certificates must be available on site at all times.
(20) Power/Mechanical Equipment. Submittals must be accompanied by product information sheets (cut sheets), Proof from the manufacturer that workers assigned to the job have been trained in the equipment (if applicable) and proposed uses for equipment.
(21) Occupant Protection Plan (OPP): (See template in Appendix - F).
(22) A certified abatement supervisor develops a written occupant protection plan before starting abatement to prevent exposure to any lead-based paint hazards. If a vendor performs the abatement, the vendor develops the plan. See Appendix-F, Occupant Protection Plan Template.
(23) Lead Abatement Contractor supervisor or certified renovator will provide a separate sign-in sheet for all the abatement workers daily, detailing work location(s) and number of personnel on site, their names, USEPA Certificate number and expiration date as per all applicable regulations to the Project Management Team for upload to the e-Builder.

F. FOLLOWING RRP WORK, THE CONTRACTOR SHALL SUBMIT A CLEANING VERIFICATION REPORT TO NYCHA. THE REPORT SHALL BE SUBMITTED TO NYCHA VIA NYCHA'S PROJECT MANAGEMENT SOFTWARE AND SHALL INCLUDE:

A. i. Copies of Notice(s) of Hazard Reduction (common areas only).

B. ii. Copies of the contractor's time & date stamped photo-documentation of the Notice(s) of Hazard Reduction posted (common areas only).

C. iii. Copies of the time & date stamped photo-documentation of the Cleaning Verification card(s) and cloth(s).

D. iv. Copies of all worker RRP certifications and the corresponding daily sign-in sheets for each day of remediation

E. v. Copies of manifests and receipts acknowledging disposal or recycling of all hazardous and non-hazardous waste material from the project showing delivery date, quantity, and appropriate signature of landfill's or Recycling facility's authorized representative.

F. vi. Start and completion dates of RRP work

G. vii. The name and address of each certified firm conducting the renovation, and the name of each supervisor assigned to the RRP project as per the LWP

H. viii. Copies of all soil analyses and the name of each recognized laboratory that conducted the analyses

I. ix. Copies of Date & time stamped photos of the posted OPP in the common area during remediation (common areas only)

(1) Written Occupant Protection Plan
(2) A certified abatement supervisor develops a written occupant protection plan before starting abatement to prevent exposure to any lead-based paint hazards. If a vendor performs the abatement, the vendor develops the plan. See Appendix - F, Occupant Protection Plan Template.
(3) An occupant protection plan shall:
(4) Be specially tailored to each building.
(5) Describe the measures and management procedures that will be taken during the abatement to protect the building occupants from exposure to any lead-based paint hazards.
(6) Be posted in common areas.

J. The detailed plan shall include setting up and sequencing of abatement work, emergency procedures and any other components required in accordance with 40 CFR 745.227(e)(5)(ii). The OPP shall at a minimum describe in detail the following:

1. Safety and Health Procedures to be implemented to protect residents and employees. The contractor shall provide site specific engineering controls and procedures as well as standard company programs (e.g., respiratory and fall protection programs) that will be followed and maintained on site. The section shall also identify emergency contact numbers and phone numbers of the nearest local hospital/emergency response unit.
2. Materials and Equipment (previously approved by XXXXXX) that will be used in conjunction with abatement work.
3. Work Site Preparation/Pre-commencement Procedures. This must identify the specific sequencing of work site preparation up to the point of commencing active abatement. This shall include specifics as to such items as: Regulatory notifications/signage; Demarcation of work area; Preparation of work area; and pre-commencement inspections by NYCHA designated representative.
4. Methodology: Describe the specific abatement method(s), sequence of abatement work/ RRP work, and gross cleaning activities with quantities and filings.
5. Final Clean-up: Describe the specific procedures and materials to be used to perform final cleaning after abatement/building components replacement or RRP work.
6. Waste Disposal: Provide specific information as to storage, disposal and/or recycling of debris generated during abatement.
7. In the event NYCHA approves the performance of RRP work, following the work the Contractor shall submit a cleaning verification report to NYCHA including all preceding items in ‘D’ above for RRP work instead of abatement.
    a. Prior to receiving approval to commence work, contractor will submit the following to NYCHA’S A&CMD, Environmental Compliance unit for review and approval.
        (1) Written Occupant Protection Plan
        (2) Hazard Communication Program
        (3) Respiratory Protection Plan
        (4) Lead specified Removal Detergents (Must not contain tri-sodium phosphate).
        (5) During the project, the results of personal air samples and any other relevant data as requested by NYCHA.
        (6) Safety Data Sheets (SDS) for applicable products and equipment’s to be used will be submitted and retained on site.

9. MATERIALS AND EQUIPMENTS

(1) In addition to the tools required to perform this work, the contractor will use following materials to complete the project as described in this scope of work for lead safe work practice:
(2) HEPA vacuum with attachments.
(3) Fire resistant polyethylene sheeting: 6-mil conforming to ASTME 154, KC-156, D-24B, D-2103 and D-4379.
(4) Polyethylene bagging: 6 mil sealable bags designed for and, if applicable, labeled as container for hazardous waste.
(5) Lead-specific detergent (Must not contain tri-sodium phosphate).
(6) Garden sprayer or mister.
(7) Hand Tools (e.g., sledgehammer, pry bar)
(8) Clean rags
(9) Knife or another cutting tool.
(10) String Mops
(11) Buckets
(12) Duct tape or adhesive spray capable or sealing joints in adjacent polyethylene sheets and for attachment of polyethylene sheet to finish or unfinished materials and capable of adhering under both dry and wet conditions, including use of amended water.
(13) Signage as required by applicable regulation.
(14) Temporary fencing or barrier tape.
(15) Eye wash station.
(16) First aid kit.
(17) Hand wash facility.

2. 10. LEAD ABATEMENT WORK AREA PREPARATION.

PRIOR TO COMMENCEMENT OF THE WORK:

A. DECONTAMINATION AREA: PROVIDE A CLEAN AREA OUTSIDE THE WORK AREA TO PUT ON RESPIRATORS AND DISPOSABLE SUITS. THIS AREA SHALL AT A MINIMUM CONTAIN A HAND/FACE WASHING FACILITY (WASH AND RINSE); RESPIRATOR WASHING FACILITY (WASH AND RINSE) FOR DECONTAMINATION OF WORKERS/RESPIRATORS UPON LEAVING THE WORK AREA. THIS AREA SHALL BE DIRECTLY ADJACENT TO THE WORK AREA AND BE SEPARATED FROM THE WORK AREA BY THREE FLAP DOORWAYS (INTERIOR) OR LOW PHYSICAL BARRIERS SECURED BY A ZIPPER. THE FLOOR OF THE DECONTAMINATION AREA SHALL BE PROTECTED BY TWO LAYERS OF 6-MIL FIRE RETARDANT POLYETHYLENE SHEETING.

B. RESIDENTS IN THE IMMEDIATE VICINITY WHERE WORK ACTIVITY WILL OCCUR, SHALL BE INFORMED OF THE NATURE OF THE WORK ACTIVITY AND ASKED TO REFRAIN FROM ENTERING THE WORK AREA, TO KEEP ALL WINDOWS WITHIN 20 FEET OF WORKING SURFACES CLOSED DURING WORK HOURS (INCLUDING WINDOWS OF ADJACENT STRUCTURES), AND TO REMOVE ALL BELONGINGS (I.E., POTTED PLANTS) FROM EXTERIOR WINDOW-SILLS AND FIRE ESCAPE.

C. THE CONTRACTOR SHALL POST A WARNING SIGN AT THE ENTRANCE TO THE WORK AREA (E.G. BATHROOM, LOBBY ENTRY, KITCHEN, PUBLIC HALL ADJACENT TO SLOP SINK CLOSET E.T.C). THE WARNING SIGN SHALL BE AS DESCRIBED IN 29 CFR 1926.62(M). SIGNAGE SHALL BE A MINIMUM OF 12” X 20” AND SHALL STATE THE FOLLOWING:

1. WARNING
2. LEAD WORK AREA
    a. POISON
        1) NO SMOKING OR EATING

ALL ASPECTS OF 29 CFR 1926.60 (RESPIRATORY PROTECTION, SIGNAGE E.T.C) WILL BE STRICTLY ADHERE TO UNTIL SUCH TIME THAT A NYCHA ACCEPTABLE EXPOSURE ASSESSMENT IS PERFORMED TO SHOW THAT THE LEAD EXPOSURE OF WORKERS IN THE WORK AREA BELOW THE PERMISSIBLE EXPOSURE LIMIT-PEL.

D. ACCESS TO THE WORK AREA WILL BE RESTRICTED WITH USE OF YELLOW CAUTION TAPE, DEMARCATING AN AREA OF A MINIMUM 20 FEET IN ALL DIRECTION BEYOND THE WINDOW OR ANY COMPONENT TO BE ABATED. APPROPRIATE SIGNS WILL BE POSTED WARNING OF LEAD SAFE WORK IN PROGRESS.

E. A SHEET OF 6-MIL FIRE RETARDANT POLYETHYLENE SHEETING WILL BE PLACED ON THE GROUND DIRECTLY BENEATH THE EXPOSED AREA CONTAMINATED WITH LEAD BASE PAINT TO BE REMOVED, EXTENDING AT LEAST 10 FEET BEYOND THE WORK AREA. 6-MILL FIRE RETARDANT POLY WILL COVER ALL GROUND AREAS WITHIN THE WORK AREA. 6-MILL FIRE RETARDANT POLYETHYLENE SHEETING WILL BE WEIGHED DOWN TO PREVENT BEING BLOWN UP BY THE WIND.

F. THE CONTRACTOR SHALL APPLY A SINGLE LAYER OF 6-MIL FIRE RETARDANT POLYETHYLENE SHEETING (SHEETING) TO THE ENTIRE GROUND DIRECTLY ADJACENT TO THE WORK AREA EXTENDING UP TO THE MAIN MEANS OF EGRESS TO THE WORK AREA (E.G. LOBBY/APARTMENT ENTRANCE). SEAL ALL SEAMS WITH DUCT TAPE TO CREATE AN AIRTIGHT BARRIER.

G. WITHIN THE WORK AREA(S), ROOM(S) WHERE PAINTED/COATED COMPONENTS/SURFACES WILL BE IMPACTED, COVER ALL VENTS, WINDOWS, PIPE OPENINGS PASSING THROUGH FLOORS, AND SIMILAR ITEMS WITH SHEETING AND/OR DUCT TAPE TO PREVENT DUST AND DEBRIS FROM ESCAPING THE WORK AREA.

I. COVER THE ENTIRE FLOOR OF THE WORK AREA(S) WITH A SINGLE LAYER OF SHEETING (DISREGARD IF THE FLOOR IS BEING REMOVED DURING THIS PHASE OF WORK). SEAL ALL SEAMS WITH DUCT TAPE TO CREATE AN AIRTIGHT BARRIER.

I. REMOVE ALL OBJECTS TO AT LEAST SIX FEET AWAY FROM THE WORK AREA, IF POSSIBLE. ITEMS THAT CANNOT BE READILY MOVED (E.G., FURNITURE), SHALL BE SEALED WITH DUCT TAPE ON THE EDGES (AIRTIGHT) WITH A LAYER OF 6 MIL FIRE RETARDANT POLYETHYLENE SHEETING.

FOR ABATEMENT IN KITCHENS AND BATHROOMS, COVER COUNTER TOPS, CABINETS, SINK BASE CABINETS, AND ALL OTHER HORIZONTAL SURFACES WITH SHEETING, TO ENSURE THAT ALL CABINET DOORS AND DRAWERS ARE SEALED.

FOR ABATEMENT IN KITCHENS

(1) Cover and seal the refrigerator with sheeting. Prior to covering, cut slits in the sheeting to allow for ventilation.

(2) Cover the stove with sheeting and seal. Ensure that the stove is off and cool to the touch before covering.

NOTE:	**STOVES IN NYCHA APARTMENTS HAVE ELECTRIC IGNITIONS. IF A NONELECTRIC IGNITION IS IDENTIFIED, THE EMPLOYEE OR VENDOR WILL USE ALTERNATIVE CONTAINMENT METHODS FOR THE STOVE.**

K. COVER THE WORK AREA ENTRANCE WITH A PRIMITIVE AIR LOCK USING TWO LAYERS OF SHEETING. THE FIRST LAYER OF SHEETING IS PLACED OVER THE DOOR OPENING AND SEALED WITH TAPE ON ALL FOUR SIDES. THE FIRST LAYER IS THEN SLIT DOWN THE MIDDLE. THE SECOND LAYER OF SHEETING IS TAPED TO THE TOP OF THE DOORFRAME AND WEIGHED DOWN AT THE BOTTOM TO CREATE A SEAL. THESE ENTRANCES SHALL BE OFF LIMITS TO RESIDENTS DURING ABATEMENT/BUILDING COMPONENTS REPLACEMENT OR RRP WORK.

L. COVER THE FLOOR OF THE WORK AREA WITH ONE LAYER OF SIX-MIL DISPOSABLE POLYETHYLENE SHEETING AND TAPE THE SHEETING DOWN TO PREVENT MOVEMENT. THE FLOOR SHEETING MUST EXTEND SIX FEET IN ALL DIRECTIONS FROM THE WORK AREA WHERE PRACTICAL UNLESS VERTICAL CONTAINMENT IS INSTALLED. USE TWO LAYERS OF SHEETING TO COVER WALL-TO-WALL CARPETING, OVERLAPPING THE SEAMS BY AT LEAST SIX INCHES.

(1) If vertical containment is used, the floor covering may stop at the vertical barrier, if it is impermeable, extends from the floor to the ceiling, and is tightly sealed at all floors, ceiling, and walls.

M. WHERE REQUIRED, THE CONTRACTOR SHALL ERECT A CONTAINMENT AREA ENCOMPASSING THE WORK AREA. THE CONTAINMENT SHALL CONSIST OF A RIGID FRAME (E.G., 2X4, PVC PIPE, ZIP WALL, ETC.) SUPPORTING TWO LAYERS OF 6-MIL FIRE RETARDANT POLYETHYLENE SHEETING (SHEETING). SHEETING SHALL EXTEND FROM FLOOR TO CEILING, EXTENDING FROM THE WALL ON THE LEFT SIDE OF THE ENTRANCE DOOR AROUND RIGID CONTAINMENT TO THE WALL ON THE RIGHT SIDE OF ENTRANCE DOOR. SEAL ALL SEAMS WITH DUCT TAPE TO CREATE AN AIRTIGHT BARRIER ON ALL SIDES, FLOOR, AND CEILING. THE CONTAINMENT SHALL BE LARGE ENOUGH TO PROVIDE ADEQUATE ROOM FOR WORKERS AND TOOLS TO PERFORM REQUIRED ACTIVITIES WITHOUT BREACHING THE CONTAINMENT.

N. STARTING AT THE LOWEST POINT OF THE WORK AREA AND SIX FEET BEYOND, CLOSE/TURN OFF AND COVER ALL VENTS, DIFFUSERS, WINDOWS, AIR-CONDITIONING UNITS ETC., (WITHIN 5 FEET IN ALL DIRECTIONS OF THE WORK AREA), WITH SINGLE-LAYER 6-MIL POLYETHYLENE SHEETS SECURED WITH DUCT TAPE. THIS PRACTICE SHALL CONTINUE IN AN UPWARD MOTION TO THE HIGHEST POINT OF THE WORK AREA.

O. CONTRACTOR SHALL REQUEST A PRE-COMMENCEMENT VISUAL ASSESSMENT FROM NYCHA'S REPRESENTATIVE. ABATEMENT/AND REMEDIATION SHALL BEGIN ONLY AFTER NYCHA'S REPRESENTATIVE HAS APPROVED ALL ASPECTS OF WORK AREA PREPARATION.

P. AVOID SPREADING DUST AND DEBRIS OUTSIDE THE WORK AREA.

Q. IF THE ABATEMENT AND COLLECTION OF CLEARANCE DUST SAMPLES WILL NOT BE COMPLETED IN ONE DAY, SET UP AN OVERNIGHT BARRIER THAT CAN BE LOCKED OR FIRMLY SECURED TO PREVENT ACCESS TO ROOMS OR COMMON AREAS WHERE ABATEMENT IS BEING PERFORMED.

PERFORMING WORK:

ABATEMENT

A. REMOVING A COMPONENT

1. COMPONENTS THAT MAY NEED TO BE REMOVED INCLUDE BUT ARE NOT LIMITED TO:

A) BASEBOARDS, CASING, AND OTHER TRIMS.

B) WINDOWS.

C) INTERIOR DOORS.

D) KITCHEN AND BATHROOM CABINETS.

E) INTERIOR WALLS.

(1) Use a spray water bottle to wet the surfaces that will be disturbed to limit the creation and dispersal of dust. Periodically rewet the area while working. Before applying the water, be sure there are no

electrical circuits inside the component. If electrical circuits are inside the component, they must be turned off and disconnected before removal. No water mist should be applied even if electrical circuits are turned off or de-energized.

(2) Remove any screws or other fasteners.

(3) Carefully remove or bend back all nails or other fastening devices.

(4) For painted surfaces, if a component is to be removed from an underlying surface, score the perimeter/edge of the component with a utility knife to minimize the quantity of painted surface that is impacted. For painted surfaces where only paint needs to be removed, apply a chemical paint stripper, and scrape off the paint.

11. WORK SITE PREPARATION

A. Prior to commencement of the work:

1. Residents in the immediate vicinity where work activity will occur, shall be informed of the nature of the work activity and asked to refrain from entering the work area, to keep all windows within 20 feet of working surfaces closed during work hours (including windows of adjacent structures), and to remove all belongings (i.e., potted plants) from exterior windowsills and fire escape.
2. Provide a clean area outside the work area to put on respirators and disposable suits. This area shall at a minimum contain a hand/face washing facility (Wash and rinse); respirator washing facility (Wash and rinse) for decontamination of workers/respirators upon leaving the work area. This area shall be directly adjacent to the work area and be separated from the work area by means of low physical barriers. The floor of the decontamination area shall be protected by two layers of 6-mil polyethylene sheeting.
3. The Contractor shall post a warning sign at the entrance to the work area (e.g. lobby entry, bathroom, kitchen, etc). The warning sign shall be as described in 29 CFR 1926.62(m). Signage shall be a minimum of 12” x 20” and shall state the following:

WARNING

LEAD WORK AREA

POISON

NO SMOKING OR EATING

1. The Contractor shall apply a single layer of 6-mil fire retardant polyethylene sheeting (sheeting) to the entire floor directly adjacent to the work area extending up to the main means of egress to the work area (e.g., Room entrance). Seal all seams with duct tape to create an airtight barrier.
2. Remove all movable items a 20-foot distance from working surfaces. Items that cannot be readily moved (e.g., furniture and electronics), shall be sealed with a layer of six mil fire retardant polyethylene sheeting.
3. Limit access to work area. Provide orange cones, sawhorses, tape, etc. to demarcate an area a minimum of 20 feet in all directions beyond the subject component(s).
4. Place a sheet(s) of 6 mil polyethylene on the ground, extending at least 10 feet beyond all areas of the subject component(s); use (6 mil) fire retardant polyethylene sheeting (sheeting). Sheeting shall cover all ground cover within the work area including but not limited to concrete, asphalt, grass and shrubs. Raise edges of sheeting to create a basin in the event of unexpected precipitation. Sheeting shall be attached to building foundation with duct tape or other approved anchoring system. No gaps should exist between sheeting and wall. Weigh down remaining three sides of sheeting with enough heavy objects (e.g. rocks, 2”x4” boards) to eliminate being blown by the wind. Do not anchor ladder feet on top of plastic (puncture the plastic to anchor the ladders securely to ground).
5. Cover entrances to the work area with single-layer 6 mil polyethylene sheets taped to the top and weighed at bottom. These entrances shall be off limits to residents during abatement work.

6. The Contractor shall erect a containment area encompassing the work area. The containment shall consist of a rigid frame (e.g., 2X4, PVC pipe, Zip Wall, etc.) supporting two layers of 6-mil fire retardant polyethylene sheeting (sheeting). Sheeting shall extend from floor to ceiling, extending from the wall on the left side of the entrance door around rigid containment to the wall on the right side of entrance door. Seal all seams with duct tape to create an airtight barrier on all sides, floor and ceiling. The containment shall be large enough to provide adequate room for worker(s) and tools to perform required activities without breaching the containment.
7. Within the work area(s), room(s) components/surfaces will be impacted, cover all vents, windows, pipe openings passing through floors, and similar items with sheeting and/or duct tape. to prevent dust and debris from escaping the work area.
8. Cover the entire floor of the work area(s) with a single layer of sheeting (disregard if the floor is being removed during this phase of work). Seal all seams with duct tape to create an airtight barrier.
9. Objects not removed from the work area shall be covered with a single layer of sheeting sealed on all edges (airtight) with duct tape.
10. Cover the work area entrance with a primitive air lock using two layers of sheeting. The first layer of sheeting is placed over the door opening and sealed with tape on all four sides. The first layer is then slit down the middle. The second layer of sheeting is taped to the top of the door frame and weighed down at the bottom to create a seal.
11. Starting at the lowest point of the building, cover all vents, diffusers, windows, etc., (within 5 feet in all directions of work area), with single layer 6-mil polyethylene sheets secured with duct tape. This practice shall continue in an upward motion to the highest point of the work area.
12. The contractor shall request a pre-commencement visual assessment from NYCHA's representative. Paint removal shall begin only after NYCHA's representative has approved all aspects of work area.
13. Avoid spreading dust and debris outside the work area.

(1) 12. LEAD ABATEMENT METHODS.

B. The following procedures must be followed when more than two square feet of components/surfaces (per work area), that contain or are assumed to contain lead above the current regulatory threshold, are impacted during the course of interior modernization.

C. Abatement shall be performed using: - Paint Removal and/or building Component Replacement. The designated work area on any given day may include a combination of both methods.

1. Option 1: Paint Removal
   (1) Prohibited Paint Removal Practices.
   (2) Open flame burning or torching of painted surfaces.
   (3) Use of machines that remove paint or other surface coatings through high-speed operation, such as machine sanding or grinding or abrasive blasting or sandblasting, unless they have shrouds or containment systems and are equipped with a HEPA vacuum attachment.
   (4) Operating a heat gun above 1100 degrees Fahrenheit on painted surfaces or charring the paint.
   (5) Chemical paint stripping using a volatile stripper (for example, methylene chloride) in poorly ventilated space.
   (6) Dry sanding or scraping, except within one (1) foot of electrical fixtures (e.g. switches, outlets, light fixtures, breaker boxes).

II. CONTRACTOR MAY USE THE FOLLOWING METHODS TO REMOVE LEAD-BASED PAINT FROM COMPONENTS/SURFACES, AND OR OTHER METHODOLOGIES/TECHNIQUES APPROVED IN THE LEAD WORK PLAN BY NYCHA.

(1) Manual wet scraping.

(2) Component Removal.
(3) Chemical stripping (Dumont Chemicals – Peel-Away 7)
(4) Self-contained mechanical systems (Manufactured with or attached to HEPA filtration) such as HEPA Sanders or HEPA needle guns.

MANUAL WET SCRAPING

1. WET SCRAPING OF THE LOOSE PEELING PAINTS AND PRIME AND / OR THE COMPONENTS REMOVED SHALL COMMENCE USING APPROVED METHODS AS DETAILED HEREIN.

2. CONTRACTOR NAME SHALL REMOVE ALL ACCUMULATIONS OF GROSS DEBRIS (I.E. PAINT CHIPS, MASONRY ETC.) FROM ALL SURFACES WITHIN THE WORK AREA. THE LEAD-BASED PAINT DEBRIS SHALL BE SCRAPED INTO THE 6-MIL. BAG. THE 6-MIL. FIRE RETARDANT POLYETHYLENE SHEETING BAG(S) DIRECTLY UNDERNEATH THE COMPONENT SHALL BE REMOVED FROM WORK AREA WITH MINIMAL DISTURBANCE TO OTHER ENGINEERING CONTROLS IN PLACE. THE 6-MIL. FIRE RETARDANT POLYETHYLENE SHEETING BAG(S) SHALL BE CLOSED WITH AN AIRTIGHT GOOSENECK SEAL (I.E. TWIST THE BAG, FOLD IT OVER ONTO ITSELF, AND WRAP WITH DUCT TAPE AND / OR PLASTIC TIE).

3. PLACE AND SEAL ALL PAINT CHIPS IN DRUMS. DRUMS SHALL BE PLACARDED WITH USEPA ID NUMBER AND PROPER HAZARDOUS WASTE LABELING. DATE OF INITIAL RECEIPT OF MATERIAL SHALL BE IDENTIFIED ON HAZARDOUS WASTE LABEL.

4. DRUMS SHALL BE STORED IN LOCKED STORAGE CONTAINERS LOCATED WITHIN THE PROJECTS SECURES STAGING AREA, UNTIL THE DRUMS ARE TESTED (TCPL) AND PICKED UP FOR DISPOSAL BY A NYSDEC LICENSED WASTE TRANSPORTER AND TRANSFERRED TO AN EPA APPROVED LICENSED DISPOSAL FACILITY.

5. ALL PAINT CHIPS AND WASTE SLUDGE/LIQUIDS SHALL BE PLACED AND SEALED IN DRUMS. DRUMS SHALL BE PLACARDED WITH THE PROPER HAZARDOUS WASTE LABELING. DATE OF INITIAL RECEIPT OF MATERIAL SHALL BE IDENTIFIED ON HAZARDOUS WASTE LABEL AND MUST NOT BE STORED FOR MORE THAN 90 DAYS ON SITE.

6. AS IDENTIFIED ABOVE CONTRACTOR SHALL PROVIDE MORE DETAILED PROCEDURES IN THE OPP. THIS SHALL IDENTIFY SPECIFIC PRODUCTS, JOB SEQUENCING, SAFETY GUIDELINES, SPECIALIZED CLEANING/NEUTRALIZING PROCEDURES, ETC.IN THE LWP SUBMISSION TO NYCHA FOR APPROVAL AND/OR COMMENT PRIOR TO PERFORMING PAINT REMOVAL ACTIVITIES.

1. Option 2: Component Removal
   (1) Any component that requires disassembling by torch burning in order to be removed shall first be stripped of lead-based paint around the area to be cut or unfastened. Stripping shall be at least one (1) foot on either side of the cut or joint for a total striped length of 2 feet.
   (2) Any metal component that requires disassembling by being mechanically cut must be first wrapped in duct tape. Surface shall be cut in the most expeditious manner possible, while always being wet misted.
   (3) With a fine spray of water, lightly spray the surfaces that will be disturbed to limit the creation and dispersal of dust, also lightly missed the plastic sheeting in the work area. Periodically rewet the area while working.
   (4) Removal of the component. The work area should be misted during this process to minimize airborne dust. A major effort shall be undertaken to ensure that the dust generated in the removal process is confined within the work zone.
   (5) Immediately repair torn sheeting damaged during removal, including but not limited to window coverings and ground cover. Using duct tape for minor tears; total sheet replacement may be necessary for major tears.

(6) The component shall be wrapped in 6 mil fire retardant polyethylene sheeting and sealed with duct tape.
(7) Immediately repair torn sheeting damaged during removal, including but not limited to window coverings and ground cover. Using duct tape for minor tears; total sheet replacement may be necessary for major tears.
(8) Contractors shall remove all accumulations of gross debris (i.e., paint chips, masonry etc.), from all surfaces within the work area.
(9) All paint chips, and waste sludge/liquids shall be placed and sealed in drums. Drums shall be placarded with the proper hazardous waste labeling. Date of initial receipt of material shall be identified on hazardous waste label.
(10) The contractor shall provide more detailed procedures in the OPP. This shall identify any specific products/tools, job sequencing, safety guidelines, specialized cleaning procedures, etc., to NYCHA for approval and/or comment prior to performing component removal activities.
(11) FINAL CLEAN-UP
(12) Upon completion of Lead-Safe Work activities, the work area shall be thoroughly cleaned. Dry sweeping will be prohibited.
(13) Debris too large for a vacuum will be picked up and placed in 6-mil polyethylene bags with an airtight gooseneck seal, i.e., twist the bag, fold it over itself, and wrap with duct tape. Care will be taken to avoid puncturing the bags with pointed or jagged pieces of debris.
(14) Small Debris / Dust Removal: All visible accumulations of dust and debris shall be HEPA vacuumed, at moderate speed, from the work area(s).
(15) Cleaning of Tools: All tools will be HEPA vacuumed, at moderate speed, to remove accumulations of Lead-Based Paint dust and thoroughly wet wiped and removed from the work area(s). Conversely when the tools are to be moved directly to another work area, gross lead-based paint dust accumulations shall be removed by vacuuming with a HEPA vacuum, at moderate speed; the tools shall then be placed in a 6-mil polyethylene bag, sealed and immediately transported to the next work area.
(16) Polyethylene Sheeting Removal: Polyethylene sheeting covering the floor shall be removed from vents, windows, pipe openings and other protrusions. Polyethylene sheeting shall be moistened with a continuous spray of water and folded inwards upon itself, trapping any residual dust / debris in the process. The 6-mil polyethylene sheeting will be placed into 6-mil polyethylene bags with an airtight gooseneck seal, i.e. twist the bag, fold it over itself, and wrap with duct tape.
(17) Vacuuming: The same personnel performing the removal of metal component contaminated with lead-based paint will perform the cleaning. The personnel will remove Tyvek coveralls after removal with a clean pair prior to starting the clean-up process.
(18) The entire work area shall be vacuumed; except for the floors, starting at the highest and furthest point from the entrance working in a downward and forward motion. Vacuuming shall be done with a vacuum equipped with a HEPA filter. Vacuuming shall always be done at moderate speeds.
(19) Upon completion of cleaning of the walls, etc., the floor shall be vacuumed, starting at the far end working towards the entrance. Caution shall be taken to avoid stepping on floor areas already vacuumed when moving to a new section / area.

(20) Wet Cleaning: Prepare cleaning solution (two bucket method)
(21) Bucket #1 will be filled with a mixture of water and the lead cleaning solution and labeled ‘Clean Solution’. The manufacturer’s instructions shall be carefully followed when mixing the cleaning solution with water.
(22) Bucket #2 will be filled with clean cold water and labeled ‘Clean Rinse’. Bucket
(23) #2 will be placed with Bucket #1.
(24) All walls and horizontal surfaces, except floors, shall be wiped. Using the two-bucket method, two rags shall be used, one designated for the cleaning solution, Rag #1, and one designated for the clean rinse, Rag #2.
(25) Rag #1 shall be dipped into Bucket #1, wring the excess solution into the same bucket and begin wiping the affected surfaces. Wiping shall continue until the rag is dry.
(26) Rag #2 shall be dipped into Bucket #2, wiping the affected surfaces just cleaned with Rag #1.
(27) This process shall be repeated until all affected surfaces are completely wiped. The water in Bucket #2 shall be periodically changes. Every inch of all affected surfaces shall be wiped.
(28) Primitive airlock shall be removed from doorway(s) and placed in bag. Polyethylene sheeting for floor(s) areas adjacent to the work area(s) shall be removed and placed in 6-mil polyethylene bags and removed from work area.
(29) After completely cleaning all affected surfaces, the floors shall be mopped according to the following procedure:
(30) Prior to mopping, the water from Bucket #2 shall be discarded and Bucket #2 shall be refilled with clean cold water.
(31) Using the two-bucket method, two mops shall be used, one designated for the cleaning solution, Mop #1, and one designated for the clean rinse, Mop #2.
(32) Mop # 1 shall be dipped into Bucket #1, wring the excess solution into the same bucket and begin mopping. Moping shall continue until the mop is dry.
(33) Mop #2 shall be dipped into Bucket #2, wiping the affected surfaces just cleaned with Mop #1.
(34) This process shall be repeated until all floor areas are completely mopped. The water in Bucket #2 shall periodically change. Mopping shall begin from the far end of the room, working towards the entrance. Care must be taken to avoid stepping onto the floor area when moving to a new section.
(35) To reduce the spread of dust beyond the work area, all personnel shall remove dust and debris from themselves and their clothing.
(36) Method of Cleaning Tools:

THE CONTRACTOR SHALL:

(1) Thoroughly wet wipe and clean tools. Conversely the contractor may remove gross material and seal tools in a bag to be transported immediately to the next work area.
(2) Remove Polyethylene Sheeting.
(3) Remove sheeting from the vents, windows, pipe openings and any other protrusions.
(4) With a spray bottle, moisten the sheeting covering the floor. Fold floor sheeting in upon itself to capture any remaining dust.

(5) After using it, place the plastic sheeting into bags. Close all bags with an airtight gooseneck seal (e.g., twist the bag, fold it over on itself, and wrap with duct tape and/or plastic tie).
(6) Vacuum all horizontal surfaces, including window troughs, within at least six (6) feet in all directions of all disturbed painted surfaces. Cleaning beyond the six (6) feet perimeter is recommended as a safety precaution if dust generated by the work may have spread beyond six (6) feet.
(7) Use a HEPA vacuum to vacuum dust and debris in the work area. Never dry, sweeping dust or debris.
(8) First vacuum every inch of all horizontal surfaces except floors.
(9) Then vacuum floors start at the far end of the room, working toward the entrance.
(10) If work was performed in a kitchen, vacuum underneath the range and the condenser and fan area underneath the refrigerator.
(11) Avoid stepping on already vacuumed floors when moving to a new section.
(12) Personal Hygiene and Housekeeping Practice.
(13) Lead is a cumulative and persistent toxic substance that poses a serious health risk. A rigorous housekeeping program and the observance of basic personal hygiene practices will minimize employee exposure to lead. In addition, these two elements of the worker protection program help prevent workers from taking lead contaminated dust out of the worksite and into their homes where it can extend the workers' exposures and potentially affect their families' health.
(14) To reduce the spread of dust beyond the work area, before exiting the work area, the Contractor shall remove dust and debris from themselves and their clothing.
(15) VISUAL INSPECTION/CLEARANCE DUST WIPES

2) Following final cleanup of each work area the Contractor shall request NYCHA's on-site representative (representative) perform a visual inspection.
3) The Third-Party Risk Assessor / Inspector shall confirm job completeness by determining whether all work as specified has been completed. The Dust Wipe Vendor (Certified Risk Assessor) will determine if the work area has been adequately cleaned by examining all surfaces for dust and debris. If dust/debris is found, the work area shall be recleaned until it is acceptable to the Dust Wipe Vendor representative.
4) When all surfaces have passed visual inspection, the Dust Wipe Vendor Certified Risk Assessor shall collect dust wipe samples.
5) For the purpose of this work each individual work area shall have clearance sampling performed. The Authority may choose (at its discretion) to perform Multi Family Clearance Sampling ("Random Sampling") in accordance with 40 CFR745.227 (e)(9). Random Sampling requires that statistically valid quantities of randomly selected units are dust wipe sampled.
6) The Dust Wipe Vendor shall submit dust wipe samples to an independent laboratory for analysis. Such laboratory must be ELAP- certified by the New York State Department of Health and U.S EPA through its National Lead Laboratory Accreditation Program (NLLAP) for analysis. Should laboratory analysis indicate that the wipe test(s) clearance level is exceeded, the Contractor shall re-clean the affected area(s), at no additional cost to NYCHA, utilizing the cleaning methods specified above. Retesting will then be performed to verify compliance with mandated clearance levels. The contractor shall reclean work areas, at no additional cost to NYCHA, until dust wipe samples are identified to be below clearance levels of 0.5 mg/cm2.

(a) Note: If Random Sampling is performed the clearance samples collected/analyzed apply to all work areas covered under those samples (e.g. entire line of apartments). Therefore, if the clearance level is exceeded while performing Random Sampling the Contractor shall reclean all work areas covered under those dust wipe samples until samples are identified to be below clearance levels.

(1) VISUAL ASSESSMENT

(b) NYCHA's representative will perform a visual assessment of the work area following removal of debris/final cleaning. The area will be deemed visually cleared when NYCHA's representative finds the work area(s) clear of visual accumulations of dust, debris, paint chips, etc. The Contractor shall re-clean all areas identified by NYCHA's representative until they are deemed visually clean at no extra cost to NYCHA.

(1) Each calendar year and at unit turnover, NYCHA shall perform visual assessments in Lead Paint Developments in accordance with 24 CFR. § 35.1355(a)(2).

(2) Within one year of the execution of this Agreement, NYCHA shall control deteriorated lead-based paint identified by visual assessments in compliance with 24 CFR. § 35.1120(b)(1) and (2); except that for a visual assessment performed in an apartment unit that has not had a previous compliant visual assessment within the preceding twelve months, all corrections of lead-based paint hazards shall be made within thirty days of the visual assessment.

NOTE: NYCHA CSQ FIELD INSPECTOR WILL VERIFY LEAD WORK AREA PREPARATION, LEAD ABATEMENT/BUILDING COMPONENTS REMOVAL WORK (WHERE APPLICABLE) AND CLEANING VERIFICATION FOR SOME PROJECTS AS PART OF VISUAL ASSESSMENT.

(1) 18. Waste Storage

(2) The Lead-Based Paint waste will be stored in 55-gallon steel drums on the site. These 55-gallon steel drums will be stored within this staging area until they are picked up for transport to the NYCHA approved disposal / recycling facility. Waste must not be stored for more than 90 days on site.

(3) EPA Generator ID Number for NYCHA xx xxx xx Houses is NYD xxxxxxxx and Installation Address – xxxxxxxxxx, City, NY xxxxx is needed to remove the 55 Gallon Drums from the staging area and delivery to the disposal / recycling site.

(4) The metal component pieces contaminated with lead-based paint will be wrapped in

(5) two (2) layers of 6-mil. polyethylene sheeting and safely removed from the work site and cautiously transported to the staging area on the job site. The metal component pieces contaminated with lead-based paint will be stored within the storage area until they are picked up at the end of each day for transport to the NYCHA approved disposal/ recycling facility.

19. WASTE

A. WASTE DISPOSAL REQUIREMENTS

(1) The Contractor shall contact the regional EPA, state, local and all other pertinent authorities to determine lead-based paint debris disposal requirements.

(2) The Contractor shall comply with requirements of the Resource Conservation and Recovery Act (RCRA) and with applicable federal, state, county, or local waste requirements.

(3) Do not store dust, debris, or other waste inside the apartment overnight. Instead, transfer the waste to a secure area or container that prevents release of, and access to, dust and debris.
(4) Do not dispose of liquid wastewater in a storm drain or on the ground. Instead, dispose of any liquid wastewater in the toilet.
(5) Wrap any solid waste or components in heavy-duty plastic (six-mil polyethylene or equivalent) and seal all seams and dispose of as regular household or construction waste.

GENERAL CONCENTRATED LEAD WASTE

(1) Concentrated lead waste includes paint stripping, lead paint chips and dust, and vacuum debris and filters.
(2) If more than 100 kilograms (220 pounds) of concentrated lead waste is being generated, it must be considered whether the waste will need to be tested by an analytical laboratory and classified as either hazardous or non-hazardous. Alternatively, this waste can be presumed to be hazardous for purposes of transport, storage, and disposal. Hazardous waste must be transported and disposed of according to EPA requirements ASTM E 1908.
(3) Wastes produced during paint removal may be highly concentrated, but low in volume. The toxic characteristic leaching procedure (TCLP) test should be used to determine if the waste is hazardous. See HUD Guidelines Chapter 10- Housing Waste, and the EPA regulations. Many local jurisdictions pick up small amounts of hazardous waste on certain days. If off-site paint removal is performed, the waste is the responsibility of the facility performing the removal.
(4) If less than 100 kilograms (220 pounds) of concentrated lead waste is generated in a building within one calendar month, it is considered a very small quantity generator.
(5) 20. Waste Transport
(6) The removed pieces of metal components contaminated with lead-based paint will be wrapped in two (2) layers of 6-mil. polyethylene sheeting and will be transported by an approved NYS-DEC Waste Transporter to a NYCHA approved waste disposal / recycling facility.
(7) The removed lead based contaminated paint will be stored in hazardous waste 55- gallon drums and will be transported by approved NYS-DEC Waste Transporter to a NYCHA approved waste disposal / recycling facility.
(8) The waste transporter to be used is: xxxx x xxxx xx
(9) Address
(10) Tel: (xxx) xxx-xxxx
(11) NYS-DEC Waste Transporter Permit # 1A-xxx.
(12) USEPA ID# XXXXXXXXXXX.

2. 21. WASTE DISPOSAL REQUIREMENTS

(1) Disposal Requirements: Contact the regional EPA, state, local and all other pertinent authorities to determine lead-based paint debris disposal requirements. Comply with requirements of the Resource Conservation and Recovery Act (RCRA) and with applicable federal, state, county, or local waste requirements.
(2) Concentrated Lead Waste (TCLP)
(3) Concentrated lead waste includes paint stripping, lead paint chips and dust, and vacuum debris and filters. Concentrated waste that has been generated and drummed shall be representatively sampled through TCLP. The Contractor shall hire an EPA certified independent consultant and laboratory (ELAP-certified by the New York State

Department of Health and by U.S. EPA through its National Lead Laboratory Accreditation Program (NLLAP)) certified to collect and analyze TCLP samples. Results of such sampling shall be submitted to NYCHA via eBuilder process.

(4) EPA regulations provide that waste from single and multiple residences are considered household waste and are not regulated as hazardous under the federal RCRA hazardous waste regulations. However, it needs to be considered whether more than 100 kilograms (220 pounds) of concentrated lead waste is being generated in a specific building within one calendar month if:

(5) i. Waste is being generated across multiple units in a building in a single month; and

(6) ii. Units in that building have several positive walls or ceiling components; and

(7) iii. Chemical paint stripping is to be used as the method of abatement.

(8) If more than 100 kilograms (220 pounds) of concentrated lead waste is being generated, it must be considered whether the waste will need to be tested by an analytical laboratory and classified as either hazardous or non-hazardous. Alternatively, this waste can be presumed to be hazardous for purposes of transport, storage, and disposal. Hazardous waste must be transported and disposed of according to EPA requirements.

(9) Wastes produced during paint removal may be highly concentrated, but low in volume. The toxic characteristic leaching procedure (TCLP) test should be used to determine if the waste is hazardous. See HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Edition), Chapter 10, Housing Waste, and the EPA regulations. Many local jurisdictions pick up small amounts of hazardous waste on certain days. If off-site paint removal is performed, the waste is the responsibility of the facility performing the removal.

(10) If less than 100 kilograms (220 pounds) of concentrated lead waste is generated in a building within one calendar month, it is considered a very small quantity generator.

(11) Waste Manifest from the landfill will be received by the building owner on the filing within 45-90 days.

(12) Bi-annual Report: Based on the Toxicity characteristic leaching procedure (TCLP) level, bi-annual report may be needed to the New York State Department of Environmental Conservation (NYSDEC) as per regulations (where applicable).

(13) Samples shall be analyzed for and compared to the following USEPA standard 40 CFR 261.24.

(b) TOXICITY

(1) Lead 5.0 ppm.

(2) Arsenic 5.0 ppm

(3) Barium 100.0 ppm

(4) Cadmium 1.0 ppm

(5) Chromium 5.0 ppm

(6) Mercury 0.2 ppm

(7) Selenium 1.0 ppm

(8) Silver 5.0 ppm

b. CORROSIVITY

c. o PH <2 or >12.5

d. IGNITABILITY

e. Liquids that have a flash point less than 140o F
f. REACTIVITY
g. In accordance with 40 CFR 261.23. Typically wastes that are unstable react violently or form explosive mixtures when mixed with water, generate toxic gases when mixed with water, or are capable of detonation or explosive reaction when heated or subject to shock.
h. If TCLP sample results of waste are elevated for any of the above criteria, then all waste represented by the sample shall be transported/disposed of as hazardous. If all sample results are below the thresholds for the above criteria, then all waste represented by the sample shall be transported/disposed of as regular C&D debris.
i. A certified hazardous waste hauler must transport hazardous waste to a landfill and /or reclamation facility certified to receive and/or treat hazardous waste. Waste haulers and treatment/disposal facilities must be previously approved by NYCHA.
j. Metal Waste Components.
k. All metal waste generated shall be recycled as follows:
    (1) Prior to transport to a NYCHA approved transport facility, the Contractor shall quantify the material to be transported. A NYCHA representative must concur with this quantity prior to leaving the site.
    (2) Prior to material removal the NYCHA approved transporter shall generate a Bill of Lading identifying the material being transferred from NYCHA's property to the recycling facility. The NYCHA representative shall concur with the quantities and be provided with a copy of the bill of lading prior to removing from the site.
    (3) At completion of all tasks requiring recycling of metals potentially containing lead-based paint the Contractor shall provide NYCHA with a total quantity of material and overall weight of material recycled.
    (4) NYCHA's Construction Project Manager for the site, or similar title as identified by the administering department, shall generate an exemption certificate (attached hereto) identifying all material and quantities recycled. This exemption certificate and copies of all Bills of Lading shall be submitted to the address located on the exemption certificate; a copy shall be uploaded to the project folder.
l. Solid Debris (other than metals)
m. All solid debris (other than metals) generated shall be disposed of as follows.
n. All materials shall be transported and disposed of at a landfill licensed to accept construction and demolition (C&D) debris. At no time shall this waste be disposed of in a municipal landfill.
o. Prior to transport, the Contractor shall quantify the material to be transported. A NYCHA representative must concur with this quantity prior to leaving the site.
p. Prior to material removal the NYCHA approved transporter shall generate a Bill of Lading identifying the material being transferred from NYCHA's property to the C&D landfill. The NYCHA representative shall concur with the quantities and be provided with a copy of the bill of lading prior to removing from the site with Lead-Based Paint, NYCHA will be provided with a total quantity of material and overall weight of material recycled.
    (a) The waste disposal / recycling facility to be used is Transporter company name
    (b) Address
    (c) Tel. #: (xxx) xxx-xxxx
    (d) US-EPA ID #: xxxxxxxxxxx

3. 22. Utilities
    (a) Power for the Lead-Safe abatement activities on the roof of the building will be from a breaker box installed on the roof of the building. A 200A disconnect fused electrical connection will be made in the meter room in the

basement of the building. Triplex exterior wiring will be run in EMT conduct from the connection in the meter room to the exterior of the building up to the ceiling level of the 1st floor of the building or as required by NYC 2011 Electrical Code (Local Law 39 of 2011). The triplex exterior wiring will run along the exterior of the building into an outdoor 100A 3 phase lockable panel. GFCI breakers will be installed (minimum 20 GFCI outlets with lockable covers) in the breaker box located on the roof of the building. At the roof level, wiring will run in an EMT conduit to a lockable and waterproof breaker box.

(b) Temporary power and light for NYCHA xxxxxxxxx Houses Buildings # xxxxx will be supplied under NYC- DOB Electrical Work Permit. A separate NYC-DOB Electrical Work Permits will be obtained for each building.

(c) Water for lead safe work activities on the roof level, will be supplied from the exterior spigot on the first floor of the building. A Y shut off two-way hose connector will be installed on the spigot before connecting the water hose to provide access for development maintenance when required. The key for the exterior spigot on the first floor will be obtained from the building maintenance office at the beginning of the lead safe work and will be returned to the development maintenance upon completion of the lead safe work. The exterior spigot on the first floor of the building will be closed, and the hose and Y shut off two-way hose connector removed at the end of every workday. All connections will be made so that there will be no water leaks. Note: if necessary, a booster pump will be used to help push the water up to the roof.

(1) Certifications

2) The xxxxxxxxxxx. is certified to conduct Lead-Based Paint activity pursuant to 40 CFR 745.226 (f) by the US-EPA, Certification # NAT-xxxxxxx issued on xx-xx-xxxx and expiring on xx-xx-xxxx.

3) As per Technical Specifications Section 02 83 19 – Lead-Safe Work Practice.

(a) In accordance with 24 CFR 35.1330 workers must be Supervised by a Certified Lead- Based Paint Supervisor or have completed one of the following courses:

(1) “Lead Abatement Supervisor” accredited in accordance with 40 CFR 745.

(2) “Lead Abatement Worker” accredited in accordance with 40 CFR 745.

(3) “Work Smart, Work Wet, and Work Clean” Prepared by NETA for EPA and HUD.

(4) “The Remodeler’s and Renovator’s Lead-Based Paint Training Program” prepared by HUD and the National Association of the Remodeling Industry.

(5) Another course approved by HUD.

(b) The supervisor and workers working where Fall Protection is required shall be trained and certified in Fall Protection as required by the OSHA, NYSDOL, USEPA and NYC-DOB regulations.

(c) All personnel working on the scaffolding will be certified at a minimum OSHA 16-hour scaffolding training.

(d) All personnel working on the supported scaffolding will be certified at a minimum NYC- DOB 4 hour supported scaffolding training.

(e) Copies of these certifications will be available at GC xxxx site office and copies will be submitted to the Construction Manager.

(1) Personnel Protective Equipment (PPE)

(f) The following PPE will be mandatory for all lead-safe workers:

4) Hard Hats – for head protection.

5) Safety Glasses – for eye protection.

6) Half Face Respirators – for breathing protection.
7) Safety Shoes – for feet protection.
8) Gloves – for hand protection.
9) Coveralls – for body protection.
    (a) vii. Rubber Boots.
10) No personnel will be allowed within the taped off lead abatement work area without these PPEs. No visitors will be allowed within the taped off lead abatement work area unless necessary and must be licensed and certified by USEPA. Prior notification must be provided for all visits to the lead abatement work area to ensure that adequate PPE is available for use by the visitors.
    (a) If required, in accordance with OSHA regulations, the following Personal Fall Arrest System will be mandatory for all lead workers who are exposed to falls greater than 10'.
11) Body Harnesses
12) Lanyards
13) Rope Grabs
14) Rated Anchorage Point.
    (a) All PPE's and Personal Fall Arrest Systems will be reviewed and certified by a NYS licensed Professional Engineer as per the NYC-DOB regulations, prior to use.
    (b) All PPE's and Personal Fall Arrest Systems will be inspected by a competent person in accordance with OSHA and NYC-DOB guidelines.
    (c) All personnel working on the scaffolding will be certified at a minimum OSHA 16-hour scaffolding training.
    (d) All personnel working on the supported scaffolding will be certified at a minimum NYC- DOB 4 hour supported scaffolding training.
    (e) Daily scaffolding inspection will be performed by certified personnel.
        (1) Safety Guidelines
        (2) In the event of an emergency, 911 shall be notified first.
    (f) Emergency Fire Exit Plan
15) Air horns will be placed at the work area and hand / face wash station. A predetermined signal will identify a fire alarm.
16) All exits will be clearly marked in the work area. An emergency evacuation plan indicating emergency exits will be posted at the hand / face wash station. Escape routes in the work area will be clearly marked with arrows pointing to each emergency exit in red spray paint.
17) Fire extinguishers will always remain at the work area and hand / face wash station and will be clearly marked. These are to be used to extinguish the fire only if personnel are trained in the use of fire extinguishers and the fire is in an initial stage and may be safely controlled with the equipment available.
18) The NYC Fire Department must be notified immediately in the event of a fire by dialing 911. This must be done even in situations where the fire appears to be easily extinguishable.
19) The first person to sound the alarm shall be Lead-Safe Work Supervisor who in turn will notify the Fire Department and NYCHA Personnel and all other individuals listed on the emergency contact roster posted outside the DECON unit.
20) All employees shall proceed to the Designated Safe Meeting Area (DSMA) (at least 200 feet away from the work area) and follow NYCHA security guidance. The DSMA location is indicated on the emergency evacuation plan. The Lead-Safe Work Supervisor shall check all personnel against the logbook to ensure that all personnel have safely exited the work area. Information regarding any missing personnel shall be communicated to FDNY immediately or to NYCHA Security if FDNY is not yet on-site. Once out of the work area, no one should be

allowed to re-enter until the emergency is declared over and authorization is received from FDNY and NYCHA.

(1) Will comply with all NYC Fire Codes and Regulations.
(2) Job Site
(3) The designated Site Safety Representative identified in the approved NYCHA Site Safety Program shall be Competent Person for fall protection and shall be trained and certified to access lead work areas.
(4) Personnel shall hold a daily site safety meeting prior to the start of each work shift. All aspects of site safety shall be reviewed, and an attendance roster shall be maintained in the supervisor's logbook.
(5) In accordance with OSHA 29 CFR, a Personal Fall Arrest System will be mandatory for all personnel exposed to falls greater than 6 feet.
(6) The PFAS will consist of, at a minimum, Full Body Harness Lanyards Rope Grabs Rated Anchorage Points.
(7) Designated Safe Meeting Area (DSMA): In case of an emergency, workers will exit the building area as indicated on the emergency evacuation plan.
(8) Fire Prevention
(9) All plastic sheeting utilized is fire retardant as set forth by the NFPA standard 701.
(10) All Sealant used meet the following criteria.
(11) ASTM Standard E84-10
(12) UL Design approved for class 1.
(13) Fire Rating Class A
(14) Fire retardant lumber is used.
(15) All fire extinguishers shall be clearly marked, and site personnel shall be made aware of their location during site safety meetings. Fire extinguishers of the ABC type (dry chemical fire extinguisher) shall be placed in the following locations:
(16) Each electrical panel
(17) At each corner of the work area and at every 25-30 feet throughout the containment area
(18) Within five feet of egress from the work area.
(19) Within the clean room of the personal decontamination unit.

PART II - DUST CONTROL PROCEDURES

57.01 ** IF THE SCOPE OF WORK IS FOR STANDARD DUST CONTROL PROCEDURES, PLEASE EXCLUDE LEAD REQUIREMENTS.

RELATED SECTIONS

A. 01 41 00 REGULATORY REQUIREMENTS

SUMMARY

SECTION INCLUDES:

1. DUST CONTROL REQUIREMENTS

GENERAL REQUIREMENTS

(1) Coordinate the Work of this Section with other Sections / Divisions.
(2) All Work shall conform to the latest industry practices and standards as applicable. Install all materials as per manufacturer's instructions.
(3) All work shall be performed by competent workmen trained and experienced in the work.
(4) Lead Safe Work Practices (LSWP) shall be employed where:

(5) The work disturbs two (2) square feet or more of lead-based paint per room, or 10 percent or more of a single small component per room, in living spaces and common areas; or
(6) The work disturbs 20 sq feet or more of lead-based paint on exteriors.

E. LSWP SHALL BE PERFORMED BY ENVIRONMENTAL PROTECTION AGENCY (EPA) RENOVATION REPAIR AND PAINT (RRP) CERTIFIED WORKERS AND VENDORS (WHERE APPLICABLE).

F. FOR ALL LSWP, ALL RRP GUIDELINES WHERE APPLICABLE) SHALL BE FOLLOWED INCLUDING DISTRIBUTION AND RECEIPT ACKNOWLEDGEMENT OF THE EPA LEAD-SAFE CERTIFIED GUIDE TO RENOVATE RIGHT BROCHURE TO ALL TENANTS.

(1) WORK INCLUDED:
(2) These procedures shall be utilized in the Work of all Divisions outside of the building.
(3) These procedures shall be utilized by the Contractor in all locations as directed by the Authority.
(4) Dust Control procedures shall be performed by the Contractor to assure that dust and debris are limited to the work areas and controlled to prevent residents and workers from being exposed to excessive dust and that proper clean-up is conducted in all areas to prevent present or future occupants or workers from exposure to excess dust.
(5) The Scope of Work shall include, but shall not be limited to the following:
(6) Dust Control Procedures shall be performed during all operations that create dust as defined herein.
(7) Dust Control Procedures shall be performed during all exterior brickwork repair procedures.
(8) Set up, maintenance and removal of all dust control enclosures, related accessories, materials and equipment as specified.
(9) Cleanup of work areas as specified.
(10) Legal disposal of all debris as specified.
(11) DEFINITIONS
(12) Dust - Any concentration of airborne solid particles or solid particles capable of remaining suspended in the air for a period of time longer than 10 seconds and which exceed 0.3 microns in diameter.
(13) Dust Control - Means and methods employed by the Contractor to limit the spread of dust generated or disturbed by the Work to be performed under this Contract.
(14) Dust Control Level - Specific methods and means employed by the Contractor, as described herein, to limit the spread of dust generated by the Work. The Dust Control Level to be employed by the Contractor will depend on the concentration of dust generated by the Work as determined by the Authority whose determination is final.

PART 2 - PRODUCTS

66.01 MATERIALS

1. SPECIAL TYPES

(1) Polyethylene sheeting of a fire-retardant type in a roll size to minimize the frequency of joints with a factory label indicating six-mil thickness.
(2) Polyethylene disposable bags of six-mil thickness with plastic tie wraps a minimum of five (5) inches long pointed and looped to secure filled plastic bags.
(3) Tape or adhesive spray capable of sealing joints in adjacent polyethylene sheets for attachment of polyethylene sheets to finished

or unfinished surfaces of dissimilar materials and capable of adhering under both wet and dry conditions.

(4) Vacuum units of a suitable size and capacity of trapping and retaining 99.97% of all monodispersed particles of 0.3 micrometers in diameter or greater (HEPA Vacuums).

(5) Dust collectors of a suitable size and capacity to exhaust and HEPA filter dust- containing air from apartments or public spaces, through temporary exhaust ductwork to building roofs during concrete cutting and grinding work. Dust Collectors shall utilize HEPA multistage filters with 99.97% efficiency for retaining particles of 0.3 microns in size or larger.

(6) Flexible air duct of a suitable size and capacity to channel exhausted air from work area to dust collectors on building roofs.

(7) Power generator of suitable size and capacity to operate dust collectors.

2. STANDARD TYPES

(1) String mops and buckets.

(2) Five-gallon plastic pails.

(3) Cleaning solution (Ledizolv or equivalent) which does not contain trisodium phosphate (TSP.)

(4) Water mister or spray bottle.

(5) Dustpan and soft broom.

(6) Utility or razor knife to cut plastic and tape.

(7) Respiratory Equipment (Fit Test if utilizing Half Face respirator or higher)

PART 3 - EXECUTION

69.01 WORK PROCEDURE

1. A. Methods of Limiting Dust and Debris
   a. The Contractor shall employ any or all of the following methods to limit and control the creation and spreading of dust and debris during the Work. The means and methods of dust control employed by the Contractor are subject to the approval of the Authority. The dust control procedures employed by the Contractor shall be as specified herein.
   b. Wetting the surface to be disturbed with a fine spray mist.
   c. Utilizing power tools equipped with a HEPA vacuum collection system (i.e. power sanding and cutting tools, etc.).
   d. Bagging and sealing all debris and cleaning all equipment before removing it from the Work area.
   e. Sealing all areas adjacent to the Work with 6-mil polyethylene sheeting.
   f. Containment of workspaces with 6-mil polyethylene sheeting.
   g. There shall be NO DRY SWEEPING of dust or debris.
2. B. Worker Protection

(1) The Contractor shall implement engineering controls whenever dust exposure exists to employees through inhalation, ingestion or skin absorption. To achieve full compliance, protective equipment or other protective measures shall be employed by the Contractor to keep the exposure of employees to air contaminants within limits prescribed by OSHA regulations. All equipment and technical means used for this purpose are subject to the approval of the Authority.

(2) The Contractor shall provide all workers with dust filter respirators, properly fitted for short, intermittent or occasional dust exposure such as cleanup or dumping of dust collectors when it is not feasible to control the dust by enclosure. Respirators shall contain eye protective

observation windows with safety glass protected by screening where hard deep cutting abrasives are used. The dust filter respirators must only be used for dust control purposes. Otherwise workers must be fit tested to use face shields or any other controlled respirators.

(3) The Contractor shall provide workers with protective work clothing, booties, hard hats, gloves, face shields and vented goggles appropriate for the Work being performed.

3. C. Dust Control Level

(1) The extent and method of dust control required will depend upon the particular work being performed and is subject to the approval of the Authority. Dust Control procedures are required by all Contractors and Subcontractors working on this project. The Authority’s determination of the Dust Control Level to be followed by the Contractor shall be final. The cost of Dust Control shall be included in the Contractor's Bid Amount and shall not be subject to any additional payments.

(2) Level 1 - Negligible Dust

(3) All Contractors shall employ level 1 dust control procedures when work is localized to one small area and no observable dust is generated. The Contractor shall place a 5' x 5' polyethylene drop cloth immediately below the Work area.

(4) Level 2 - Moderate Amount of Dust

(5) Level 2 dust control procedures shall be employed by all contractors when the Work produces moderate amounts of dust which is clearly visible and may contain debris and paint chips which will not spread beyond a small area drop cloth to any other surface in the room. The Contractor shall place an 8' x 8' polyethylene drop cloth immediately below the Work area and shall cover all adjacent horizontal surfaces with polyethylene sheets. (Examples of a need for Level 2 Dust Controls are during hand tool cutting or punching a hole in a wall.)

(6) Level 3 - Significant Amount of Dust

(7) Level 3 dust control procedures shall be employed by all Contractors during cutting or chopping with mechanical tools in materials which do not contain lead-based paint, during grinding of reinforcement bars, during drilling holes with mechanical devices, and during scraping and painting operations.

(8) Contractors shall utilize tools equipped with HEPA vacuum exhaust/dust collection systems during Level 3 work. Filters shall be kept clean and operable at all times.

(9) The entrance of the Work area shall be covered with one layer of six-mil polyethylene sheeting taped to the top and one side of the door frame and weighted at the bottom with short pieces of pipe or other suitable weights to keep it closed.

(10) All vents, pipe sleeves, and light fixtures shall be covered with polyethylene sheeting.

(11) Windows shall be covered with polyethylene sheeting to prevent dust from settling on the horizontal surfaces.

(12) All tears, which occur in polyethylene sheeting during the Work, shall be repaired immediately.

(13) Air Filtration: Air within the Work area shall be continuously filtered with HEPA vacuum machines of sufficient capacity and number to maintain clean air within the workspace and to prevent the migration of dust outside the limits of the polyethylene barriers. Vacuum filters shall be kept clean and operable at all times.

(14) Level 4 - Extreme amounts of dust and debris

(15) Level 4 dust control procedures shall be employed by the Contractor during saw cutting and grinding of masonry and surfaces and elements outside of buildings.
(16) The affected area shall be covered with two (2) layers of six-mil polyethylene sheeting. All seams shall be taped with waterproof tape (i.e. where the floor covering overlaps the furnishing covering and where two floors covering sheets overlap) and free edges of the polyethylene sheeting shall be taped to the bottom of the wall or baseboards so as to form a continuous barrier to the penetration of dust to the floor. Optional: Area of repair may be isolated from the remaining room by utilizing an airtight chamber consisting of two (2) layers of six-mil polyethylene sheeting on floors and walls, held in place by a rigid framework of PVC piping or furring. Entrance to the chamber shall be through a three-flap curtained doorway.
(17) The entrance of all work areas shall consist of a protective curtained doorway of three (3) overlapping sheets of six-mil polyethylene sheeting over an existing or temporary framed doorway. The first sheet shall be secured with duct tape at the top and left side, the second sheet shall be secured at the top and right side, and the third sheet shall be secured at the top and left side. All sheets shall be weighted at the bottom to keep them hanging straight and maintain a seal over the doorway.
(18) The Contractor shall shut down all HVAC and air moving systems affecting the Work area.
(19) Windows in the Work area of apartments shall be covered with a single layer of six-mil polyethylene sheeting to prevent dust from settling on the horizontal surfaces of the window.
(20) All tears, which occur in polyethylene sheeting during the Work, shall be repaired immediately.
(21) Dust collectors shall be of sufficient size and capacity to effectively exhaust the air and dust from the Work area. Dust collectors shall be positioned on the roof of the building in a secure manner, locked up so as to be inaccessible to the public. Dust collectors shall be self-cleaning type and shall be maintained operable at all times by the Contractor. The Contractor shall provide generators as necessary for operation of dust collectors.

CLEAN-UP PROCEDURE

(1) At the end of each day or at the end of the task at hand, clean-up procedures shall be implemented as follows:
(2) All debris too large to be picked up by the HEPA Vacuum shall be picked up by hand and placed in a six-mil polyethylene bag, being careful not to puncture the bag with any pointed or sharp pieces of debris.
(3) Remaining debris shall be picked up with the HEPA Vacuum. The HEPA Vacuum shall travel at a moderate speed to ensure complete pick-up of all dust and remaining debris.
(4) The polyethylene sheeting shall then be dampened with a fine mist, to keep the dust from becoming airborne, then folded inward, upon itself, so as to contain any dust and debris remaining and prevent the contamination of the Work area with dust during clean-up.
(5) Polyethylene sheeting may not be cleaned and re-used. It shall be disposed of in a six-mil polyethylene bag, which is secured with a 5" plastic tie.

(6) At the completion of all work, in addition to the clean-up of gross debris described above, HEPA Vacuums shall be utilized to vacuum the floor(s) and any other surfaces bearing dust generated during the Work. The floor(s) shall be vacuumed starting at the far end of the room and working toward the entrance of the room. Every inch of the windowsills, window troughs and other window surfaces where dust can accumulate must be HEPA Vacuumed.

(7) After using the HEPA Vacuum the entire work area shall be wet mopped with a cleaning solution to remove all visible dust and debris. Also, all windowsills and wells are to be wiped down.

(8) DISPOSAL

(9) All debris shall be removed from the Work area and legally disposed of at the end of each day by the Contractor, including all debris generated by the subcontractors.

(10) At no time is debris to be left unattended in occupied apartments.

CLEARANCE- STANDARD DUST CONTROL PROCEDURE MUST BE USED THROUGHOUT THE ABATEMENT PERIOD. THE DUST WIPE CLEARANCE IS NEEDED FOR INTERIOR LEAD PRACTICES.

71.01 A. A VISUAL INSPECTION/CLEARANCE DUST WIPES SHALL BE PERFORMED FOR WORK IMPACTING LEAD-BASED PAINT IN EXCESS OF TWO (2) SQUARE FEET PER ROOM, OR TEN (10) PERCENT OR MORE OF A SINGLE SMALL COMPONENT PER ROOM, IN LIVING SPACES AND COMMON AREAS. FOLLOWING FINAL CLEANUP OF EACH WORK AREA THE CONTRACTOR SHALL REQUEST NYCHA'S ON-SITE MONITORING CERTIFIED RISK ASSESSOR (CRA), OR CERTIFIED LEAD INSPECTOR (CLI) TO PERFORM A VISUAL INSPECTION.

B. THE CRA SHALL CONFIRM JOB COMPLETENESS BY DETERMINING WHETHER ALL WORK ON PAINTED/COATED SURFACES, AS SPECIFIED, HAS BEEN COMPLETED. THE CRA WILL DETERMINE IF THE WORK AREA HAS BEEN ADEQUATELY CLEANED BY EXAMINING ALL SURFACES FOR DUST AND DEBRIS. IF DUST OR DEBRIS IS FOUND, THE WORK AREA SHALL BE RECLEANED UNTIL ACCEPTABLE TO THE CRA.

(1) When all surfaces have passed visual inspection, the CRA shall collect dust wipe samples.

(2) For the purpose of this work each individual work area shall have clearance sampling performed. The Authority may choose (at its discretion) to perform Multi- Family Clearance Sampling ("Random Sampling") in accordance with 40 CFR745.227 (e)(9). Random Sampling requires that statistically valid quantities of randomly selected units be dust wipe sampled.

(3) The CRA shall submit dust wipe samples to an independent laboratory for analysis. Should laboratory analysis indicate that the wipe test(s) clearance level is exceeded, the Contractor shall re-clean the affected area(s), at no additional cost to NYCHA, utilizing the cleaning methods identified above. Work areas that exceed clearance levels shall be re-cleaned immediately upon notification from the CRA or NYCHA's on-site representative. Retesting will then be performed to verify compliance with mandated clearance levels. Contractor shall re-clean work area(s), at no additional cost to NYCHA, until dust wipe samples are identified to be below clearance levels. (0.5 mg/cm2).

NOTE: IF RANDOM SAMPLING IS PERFORMED, THE CLEARANCE SAMPLES COLLECTED / ANALYZED SHALL APPLY TO ALL WORK AREAS COVERED UNDER THOSE SAMPLES (E.G. ENTIRE LINE OF APARTMENTS). THEREFORE, IF THE CLEARANCE LEVEL IS EXCEEDED WHILE PERFORMING RANDOM SAMPLING, THE CONTRACTOR SHALL RE-CLEAN ALL WORK AREAS COVERED UNDER THOSE DUST WIPE SAMPLES UNTIL SAMPLES ARE IDENTIFIED TO BE BELOW CLEARANCE LEVELS.

ATTRIBUTES	HEPA - VACUUM NEEDLE GUN	HEAT GUN	HEPA VACUUM BLAST	HEPA SAND	CAUSTIC PASTE	OFFSITE STRIPPING	REMOVE AND REPLACE
WORKER SKILL LEVEL/TRAINING	HIGH	MODERATE	HIGH	MODERATE	MODERATE	MODERATE	HIGH
EFFECT ON SUBSTRATE	MAY ERODE SURFACE	MAY GOUGE SURFACE	MAY ERODE SURFACE	MAY GOUGE /ROUGHEN	MAY GOUGE OR CHANGE COLOR OF SURFACE	MAY GOUGE OR CHANGE COLOR OF SURFACE	NONE
APPLICABILITY	METAL AND MASONRY	OPERATION AT OVER 1100□F IS PROHIBITED	METAL AND MASONRY	LIMITED BY SURFACE CONTOUR	CAN DAMAGE SOME COMPONENTS	COMPONENT THAT CANNOT BE STRIPPED ONSITE	ALL COMPONENTS EXCEPT

(1) APPENDIX A – Contractor’ s name-. – Permits, Licenses, Insurances

LEAD SUPERVISOR DECLARATION PAGE.

I CERTIFY THAT I HAVE REVIEWED AND CONFIRMED THE VALIDITY OF REQUIRED CERTIFICATIONS FOR ALL LEAD WORKERS AND SUBCONTRACTORS EMPLOYED BY MY COMPANY TO WORK ON A NYCHA PROJECT. THE EMPLOYEES LISTED ABOVE HAVE ALSO BEEN TRAINED IN THE PROCEDURES REQUIRED TO SAFELY PERFORM THEIR WORK IN COMPLIANCE WITH REGULATORY MANDATES AND CONTRACT REQUIREMENTS.

CONTRACTOR NAME: _____

TITLE: _____

SIGNATURE: _____

DATE: _____

LEAD PROJECT CLOSE-OUT DOCUMENTS.

APARTMENT AND INTERIOR COMMON SPACES

(1) Lead abatement/RRP report including cleaning verification and Dust wipe Clearance with start and completion dates. NYCHA 060.868 (Rev. 3/07/23) v2-Lead Abatement Report.

(2) A visual inspection must be done prior to dust wipe clearance being taken.

(3) The name and address of each certified firm conducting the abatement/RRP, and the name of each supervisor assigned to the abatement project.

(4) The occupant protection plan. NYCHA 060.xxx (Rev. 3/1/2022 FINAL) Occupant Protection Plan.

(5) The name, address, and signature of each certified risk assessor or inspector conducting clearance sampling and the date of clearance testing.

(6) The results of clearance testing and the name of each recognized laboratory that conducted the analyses.

(7) A detailed written description of the abatement/RRP, including methods used, locations of rooms and/or components where abatement/RRP occurred, reason for selecting methods for each component, and any suggested monitoring of encapsulants or enclosures.

(8) Copies of the Notice(s) of Hazard Reduction within 15 days of the completion of the project. NYCHA 060.852 (10/30/19v1) NOTICE OF HAZARD REDUCTION ACTIVITY

(9) Lead worker's certification and sign in sheet for the days worked to the Environmental Compliance Unit, not more than 7 days after completion of the work.

(10) Waste manifests from the landfill must be submitted via eBuilder submittal process.

(11) ATTACHMENTS

APPENDIX - A - CONTRACTOR'S PERMIT, LICENSE & INSURANCE

APPENDIX - B - RESPIRATION PROTECTION PLAN

APPENDIX - C - HAZARDOUS COMMUNICATION PROGRAM

APPENDIX - D – SAFETY DATA SHEET

APPENDIX - E – USEPA LEAD SAFE CERTIFIED GUIDE TO RENOVATE RIGHT.

APPENDIX – F OCCUPANT PROTECTION PLAN.

APPENDIX -G LEAD ABATEMENT REPORT.

APPENDIX -H NOTICE OF HAZARD REDUCTION (WHERE APPLICABLE)

APPENDIX -I NOTICE OF COMMENCEMENT FORM.

1) NEW YORK CITY HOUSING AUTHORITY
2) NYCHA LEAD ABATEMENT REPORT
3) As the Certified Supervisor or Project Designer, carefully complete all sections of this report.

2. Location of the Abatement

Development Name			
Address	City	State	ZIP
Vacant Unit Occupied Unit	Location Number	Abatement Work Order #	

3. Certified Firm Conducting the Abatement

Firm Name	Address	Supervisor Name

4. Log of Each Lead Abatement Worker:

Certification	Employed By	Lead Abatement Worker Name	License Number	Date of License Expiration
Certified Supervisor	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			

5. Log of Each Lead Abatement Worker:

Certification	Employed By	Lead Abatement Worker Name	License Number	Date of License Expiration

Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			
Lead Abatement Worker	Vendor NYCHA			

6. Log of Laboratory and Clearance Testing Results:

Date of Clearance Sampling	Laboratory Name	Type of Analysis	Results (Pass / Fail)
		Dustwipe Other (specify):	Pass Fail Pass, requires further sampling
		Dustwipe Other (specify):	Pass Fail Pass, requires further sampling
		Dustwipe Other (specify):	Pass Fail Pass, requires further sampling
		Dustwipe Other (specify):	Pass Fail Pass, requires further sampling

7. (Initial) The attached Chain of Custody details the name, date, and signature of each certified risk assessor or inspector conducting clearance sampling on job site.
8. (Initial) I have provided the attached Occupant Protection Plan for the unit abated above.
    1) NYCHA LEAD ABATEMENT REPORT
    2) As the Certified Supervisor or Project Designer, carefully complete all sections of this report.
9. Days of Operation:

Name of Abatement Supervisor*	Task	First Date and Time Supervisor was on site	Last Date and Time Supervisor was on site
	Abatement Cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		

	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		
	Abatement Re-cleaning		

1) * Please ensure that the name of the supervisor who was on site when the work (Abatement/Cleaning/Re-cleaning) was done.
   (a) NYCHA LEAD ABATEMENT REPORT
2) As the Certified Supervisor or Project Designer, carefully complete all sections of this report.

ABATEMENT DETAILS				
Please fill in the room, component, substrate, type, and method of abatement used				
ROOM	COMPONENT	SUBSTRATE	TYPE OF REMOVAL	METHOD OF REMOVAL***

10. ** Type of abatement: 1) Component removal and replacement 2) Encapsulation 3) Paint Removal 4) Enclosure
11. ***Method of Abatement: 1) Chemical Stripping 2) Wet Scraping 3) Needle-gun with HEPA

NYCHA LEAD ABATEMENT REPORT

1) As the Certified Supervisor or Project Designer, carefully complete all sections of this report.
    (1) Approval of Certified Supervisor or Project Designer:
2. NEW YORK CITY
3. HOUSING
4. AUTHORITY

91.02 CURRENT TENANT STREET ADDRESS CITY, STATE, ZIP

1. Dear Tenant(s),

2. NEW YORK CITY HOUSING AUTHORITY
   (1) 49th AVENUE • LONG ISLAND CITY, NY 11101
3. TEL: (212) 306-3000 • http://nyc.gov/nycha
4. NOTICE OF HAZARD REDUCTION ACTIVITY
   a. Date:
   b. Development:
   c. Account #:
   d. Work Order #:
      1) Renovation, Repair and Paint Work
      2) Paint Stabilization (Visual or XRF)
      3) Abatement
5. This notice of hazard reduction activity is being issued to your attention as per the requirements of
6. 24 CFR 35.125. The New York City Housing Authority (NYCHA) has conducted work in your unit that
7. disturbed lead-based paint or presumed lead-based paint on ???Clearance Date??? in the locations below:

Location	Clearance Test Results

Location	Component	Substrate

8. If you have any questions about this notice, please visit your Property Management office at
9. ???Management Office Address???. You may also contact the Property Manager ???Current Property Manager Name??? or your housing assistant, at ???PM Phone #???.
10. Please report deteriorated lead paint or failure of encapsulation or enclosure on any of the components mentioned above to the Customer Contact Center at 718-707-7771.
11. The translation is provided to you as a convenience to assist you to understand your rights and obligations.
12. The English language version of this document is the official, legal, controlling document.

THIS DOCUMENT IS NOT AN OFFICIAL DOCUMENT.

OCCUPANT PROTECTION PLAN FOR LEAD ABATEMENT WORK

ABATEMENT WORKER(S) MUST COMPLETE THIS FORM, CHECK THE PROTECTIVE MEASURES USED, AND KEEP THE FORM AVAILABLE ON THE JOB SITE. FOR ABATEMENT WORK THAT WILL DISTURB MORE THAN 100 SQ FEET OF LEAD-BASED PAINT, THIS OCCUPANT PROTECTION PLAN MUST BE POSTED IN A PUBLIC AREA NEXT TO THE JOB SITE 24 HOURS IN ADVANCE OF THE SCHEDULED ABATEMENT AND REMAIN UNTIL CLEARANCE. FOR WORK THAT WILL DISTURB BETWEEN 2 SQ FEET AND 100 SQUARE FEET OF LEAD-BASED PAINT, THE OCCUPANT PROTECTION PLAN CAN BE POSTED BEFORE WORK STARTS AND REMAIN UNTIL CLEARANCE. INCLUDE A SIGNED COPY OF THE PLAN IN THE FINAL LEAD ABATEMENT REPORT. KEEP AN ORIGINAL FOR YOUR COMPANY RECORDS.

Development Name			Location Number	

Lead Contractor Name		Certification Number	Contractor Telephone Number	
Address	City		State	ZIP Code
Start Date	Completion Date		Work Order #	

TO OCCUPANTS:

THE OCCUPANT PROTECTION PLAN DESCRIBES HOW AN ABATEMENT WORKER WILL PROTECT YOU AND YOUR POSSESSIONS DURING LEAD ABATEMENT WORK. IT IS IMPORTANT THAT YOU STAY OUT OF WORK AREAS FOR YOUR OWN PROTECTION, EVEN WHEN THE WORKER IS NOT ON SITE. THE WORKER WILL CLEAN EVERY DAY, BUT WORK AREAS MAY STILL CONTAIN DANGEROUS LEVELS OF LEAD UNTIL A FINAL CLEANING IS DONE AND TESTING VERIFIES IT IS SAFE TO RETURN. THE CONTRACTOR OR NYCHA WILL INFORM YOU WHEN AREAS ARE SAFE TO RE-OCCUPY. IF YOU MUST ENTER A WORK AREA, CONTACT YOUR PROPERTY MANAGEMENT OFFICE FOR ASSISTANCE.

1) OCCUPANCY OF THE UNIT

__ UNIT IS VACANT (NO PERSON CURRENTLY RESIDES IN THE UNIT).

__ UNIT IS OCCUPIED (A PERSON(S) CURRENTLY RESIDES IN THE UNIT).

IF THE UNIT IS OCCUPIED, SELECT ALL THAT APPLY:

__ OCCUPANTS WILL BE ALLOWED IN THE UNIT DURING ABATEMENT BUT WILL NOT BE PERMITTED IN THE WORK AREA.

__ OCCUPANTS WILL BE PROVIDED LEAD-SAFE PASSAGE TO SLEEPING AREAS, BATHROOM, KITCHEN, AND ENTRY/EXIT DOOR DURING THE PROJECT.

__ OCCUPANTS MUST STAY OUT OF THE UNIT DURING THE DAY BUT MAY RETURN EACH EVENING AFTER CLEAN-UP. WORK WILL START AT_____ (TIME) EACH DAY AND DAILY CLEAN-UP WILL BE COMPLETED BY (TIME) EACH DAY.

__ WORK AREAS WILL BE LOCKED OR FIRMLY SECURED, PROVIDING AN OVERNIGHT BARRIER, IF WORK CONTINUES MORE THAN ONE DAY.

__ OCCUPANTS WILL BE RELOCATED DURING THE ENTIRE PROJECT AND NOT BE ALLOWED WITHIN THE WORK AREA BEFORE PROJECT COMPLETION.

2) FURNITURE AND PERSONAL ITEMS

__ OCCUPANT(S) WILL BE INFORMED TO REMOVE ALL PERSONAL ITEMS AND AS MUCH FURNITURE AS POSSIBLE FROM THE WORK AREA BEFORE WORK BEGINS.

__ PERSONAL ITEMS AND FURNITURE NOT REMOVED BY THE OCCUPANTS WILL BE REMOVED FROM WORK ROOM(S) AND/OR MOVED AWAY FROM ALL INTERIOR SURFACES THAT WILL BE DISTURBED.

__ DUST-TIGHT PLASTIC SEALS WILL BE USED TO COVER ALL FURNITURE AND PERSONAL BELONGINGS THAT CANNOT BE REMOVED FROM WORKROOMS. 3) WINDOWS

__ NO WINDOW WORK NEEDED.

__ WINDOW WORK NEEDED. DUST WILL BE CONTAINED BY USING PLASTIC SHEETING TO SEAL WINDOWS ON THE INTERIOR AND EXTERIOR.

4) INTERIOR WORK

__ NO INTERIOR WORK NEEDED.

__ INTERIOR WORK NEEDED.

IF INTERIOR WORK IS NEEDED:

BEFORE STARTING INTERIOR WORK, THE WORK AREA SET-UP WILL INCLUDE:

__ INSPECTION OF ROOMS TO IDENTIFY AREAS THAT DO NOT NEED TO BE ABATED.

__ INSPECTION OF ROOMS TO IDENTIFY ANY EXISTING DAMAGE TO COMPONENTS, SUCH AS FURNITURE, FIXTURES, WALLS, DOORS, AND RADIATOR COVERS.

__ COVERING FLOORS WITH PLASTIC SHEETING A MINIMUM OF 6 FEET IN ALL DIRECTIONS FROM EACH SURFACE BEING DISTURBED BY ABATEMENT WORK.

__ COVERING DOORWAYS USED TO ACCESS WORK AREAS WITH PLASTIC FLAPS. OTHER DOORWAYS INTO WORK AREAS WILL BE CLOSED AND FULLY SEALED WITH PLASTIC SHEETING AND TAPE.

__ SUPERVISOR ENSURING THAT DUST GENERATED BY WORK THAT DISTURBS PAINT DOES NOT SPREAD BEYOND THE CONTAINMENT AREA.

__ SECURING PLASTIC SHEETING FOR USE AS WORKERS WALK BETWEEN WORK AREAS AND OUTSIDE THE UNIT. SEPARATE LEAD-SAFE PASSAGEWAYS WILL BE PROVIDED FOR OCCUPANTS.

__ TURNING OFF THE HVAC SYSTEM AND SEALING FORCED-AIR VENTS WITHIN 6 FEET OF WORK AREAS WITH PLASTIC SHEETING AND TAPE.

DURING INTERIOR WORK, THE FOLLOWING SAFETY MEASURES WILL BE USED:

__ BEFORE REMOVING A COMPONENT OR SCRAPING PAINT, THE PAINTED SURFACES WILL BE MISTED WITH WATER.

__ BEFORE LEAVING A CONTAINED WORK AREA OR PLASTIC WALKWAY, WORKERS WILL REMOVE THEIR DISPOSABLE BOOT COVERS OR CLEAN THE SOLES OF THEIR SHOES USING A TACK PAD/DAMP DISPOSABLE WIPES OR COMPLETELY REMOVE THEIR SHOES.

__ TOOLS, WASTE CONTAINERS, AND ALL OTHER ITEMS WILL BE CLEANED BEFORE THEY ARE REMOVED FROM THE WORK AREA.

__ A DUST ROOM/CONTAINMENT WILL BE CONSTRUCTED FOR ANY POWERED PAINT REMOVAL WORK, SUCH AS SANDING.

5) EXTERIOR WORK

__ NO EXTERIOR WORK NEEDED.

__ EXTERIOR WORK NEEDED.

IF EXTERIOR WORK IS NEEDED:

BEFORE STARTING EXTERIOR WORK, THE WORK AREA SET-UP WILL INCLUDE:

__ PRE-CLEANING WORK AREAS WITH A HEPA VACUUM BEFORE LAYING PLASTIC SHEETING FOR CONTAINMENT.

__ PLACING PERIMETER BARRIER TAPE OR TEMPORARY FENCING AROUND THE WORK AREA.

__ MOVING ANY PERSONAL ITEMS AWAY FROM WORK AREAS OR COMPLETELY SEALING THEM WITH PLASTIC SHEETING SECURED TO THE GROUND.

__ CLOSING ALL WINDOWS AND DOORS WITHIN 20 FEET OF WORK SURFACES. THIS INCLUDES WINDOWS AND DOORS OF NEIGHBORING BUILDINGS.

__ SECURING PLASTIC SHEETING OR LANDSCAPE FABRIC ON THE GROUND EXTENDING AT LEAST 10 FEET FROM BUILDING IN ALL DIRECTIONS FROM SURFACES TO BE DISTURBED, SPACE ALLOWING. SHEETING WILL BE SEALED TO EXTERIOR WALL AND CURBED TO REDUCE SPREADING OF DEBRIS.

__ VERTICAL CONTAINMENT.

DURING EXTERIOR WORK, THE FOLLOWING SAFETY MEASURES WILL BE USED:

__ BEFORE REMOVING COMPONENTS OR SCRAPING/SANDING PAINT, THE PAINTED SURFACES WILL BE MISTED WITH WATER.

__ BEFORE LEAVING A CONTAINED WORK AREA, WORKERS WILL REMOVE THEIR DISPOSABLE BOOT COVERS OR CLEAN THE SOLES OF THEIR SHOES USING A TACK PAD, HEPA VACUUM, OR DISPOSABLE WIPES.

__ TOOLS, WASTE CONTAINERS, AND ALL OTHER ITEMS WILL BE CLEANED BEFORE BEING REMOVED FROM THE WORK AREA.

__ IF WEATHER CONDITIONS DO NOT PERMIT EFFECTIVE CONTAINMENT, WORK WILL BE SUSPENDED UNTIL CONDITIONS IMPROVE.

6) WARNING SIGNAGE

__ SIGNS SHOULD BE IN A LANGUAGE UNDERSTANDABLE TO RESIDENTS AND WORKERS.

__ RECOMMENDED WORDING IS "CAUTION: LEAD HAZARD – DO NOT ENTER WORK AREA UNLESS AUTHORIZED" BUT MAY BE MODIFIED FOR PROJECT-SPECIFIC CONDITIONS.

__ IF RESIDENTS ARE PRESENT, PLACE WARNING SIGNS AT THE ENTRY TO THE WORK AREA OR CONTAINMENT AREA AND AT EACH MAIN AND SECONDARY ENTRYWAY TO THE BUILDING.

__ FOR EXTERIOR WORK, THE SIGN MUST BE EASILY READ 20 FEET FROM THE EDGE OF THE HAZARD REDUCTION ACTIVITY WORKSITE.

7) PROHIBITED PAINT REMOVAL METHODS

CONFIRM THAT THE FOLLOWING PRACTICES WERE NOT USED:

__ OPEN FLAME GAS-FIRED TORCH NOT UTILIZED IN WORK AREA.

__ PAINT REMOVAL WITH HEAT GUN NOT UTILIZED IN WORK AREA.

__ CHEMICAL PAINT STRIPPERS CONTAINING POLYETHYLENE CHLORIDE OR ANY OTHER SUBSTANCES WHICH ARE KNOWN, OR SUSPECTED, HUMAN CARCINOGENS NOT UTILIZED IN WORK AREA.

__ GRINDING OR SANDING WITHOUT HEPA-FILTERED VACUUM NOT UTILIZED IN WORK AREA.

__ UNCONTAINED HYDRO-BLASTING NOT UTILIZED IN WORK AREA.

8) DAILY CLEANING

__ ALL DEBRIS WILL BE WRAPPED OR BAGGED AND STORED IN A SEALED CONTAINER AT A CENTRAL LOCATION UNTIL FINAL DISPOSAL.

__ ALL PLASTIC SHEETING WILL BE HEPA-VACUUMED.

__ ALL PLASTIC SHEETING USED AS WALKWAYS TO/FROM THE WORK AREA WILL BE HEPA-VACUUMED AND WET CLEANED. PLASTIC SHEETING WILL BE PATCHED AND REPAIRED, AS NEEDED, THROUGHOUT THE WORK DAY.

9) FINAL CLEANING AND CLEARANCE

__ FINAL CLEANING BEGINS AFTER WORK IS COMPLETED.

__ ALL PLASTIC SHEETING WILL BE CLEANED WITH A HEPA VACUUM AND/OR WET CLEANED, FOLDED, AND BAGGED OR TAPED CLOSED FOR DISPOSAL.

__ ALL INTERIOR FLOORS AND HORIZONTAL SURFACES, INCLUDING WINDOW TROUGHS, WITHIN 6 FEET OF THE SURFACES DISTURBED BY WORK WILL BE HEPA-VACUUMED AND WET CLEANED, WORKING FROM CEILING TO FLOOR TOWARDS THE EXIT.

__ ALL EXTERIOR HORIZONTAL SURFACES AND THE GROUND WITHIN 10 FEET OF SURFACES DISTURBED BY THE WORK WILL BE HEPA-VACUUMED.

__ FOR HIGH-DUST JOBS, CLEANING OF HORIZONTAL SURFACES WILL EXTEND THROUGH THE ENTIRE CONTAINMENT AREA.

__ FINAL CLEARANCE WILL BE CONDUCTED BY A CERTIFIED INSPECTOR OR RISK ASSESSOR IN ACCORDANCE WITH 40 CFR §745.227(E)(8). OCCUPANTS WILL BE INFORMED WHEN IT IS SAFE TO RE-OCCUPY THE UNIT.

ADD ANY MEASURES USED TO ADDRESS UNIQUE CONDITIONS IN THE RESIDENTIAL UNIT OR BUILDING TO ENSURE OCCUPANT PROTECTION DURING ABATEMENT ACTIVITIES:

THE FOLLOWING HAZARD REDUCTION MEASURES WERE UNDERTAKEN:

Abatement Method	Location:	Component(s):

(check one)		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		
☐ Replacement ☐ Paint Removal		

ATTACHMENTS(IF APPLICABLE):

___ NEW YORK CITY HOUSING AUTHORITY LEAD ABATEMENT WORK ORDER

___ EPA NOTIFICATIONS

___ LEAD ABATEMENT WORKER CERTIFICATIONS

10) CERTIFIED SUPERVISOR

I VERIFY THAT I AM A CERTIFIED LEAD ABATEMENT SUPERVISOR AND HAVE PREPARED THE OCCUPANT PROTECTION PLAN PRIOR TO ABATEMENT TO PROTECT BUILDING OCCUPANTS FROM EXPOSURE TO LEAD-BASED PAINT HAZARDS.

I WILL PROVIDE A COPY OF THE OCCUPANT PROTECTION PLAN TO THE PROPERTY OWNER AND ALL AFFECTED OCCUPANT(S) OF THE PROPERTY ADDRESS LISTED IN THIS PLAN BY MEANS OF MAIL OR PERSONAL DELIVERY.

Name of Certified Lead Abatement Supervisor	Certification Expiration Date
Signature of Certified Lead Abatement Supervisor	Date of Signature

IMPORTANT: A REPRESENTATIVE OF THE CERTIFIED FIRM MAY COMPLETE THIS SAMPLE FORM OR A SIMILAR FORM WHEN NOTIFYING EPA. CONSULT THE INSTRUCTIONS FOR NOTIFYING EPA COMMENCEMENT OF LEAD-BASED PAINT ABATEMENT ACTIVITIES WHEN PREPARING ABATEMENT NOTIFICATION. PLEASE TYPE OR PRINT RESPONSES IN BLACK OR BLUE INK ONLY. DETERMINATION OR A COPY OF THE FEDERAL/STATE/TRIBAL/LOCAL EMERGENCY ABATEMENT ORDER.

(a) Activity Start and End Dates Specify the dates you will begin and end lead-based paint activity.

IF NECESSARY, ESTIMATE END DATE USING START DATE: _____ END DATE: _____

YOUR BEST PROFESSIONAL JUDGMENT. MONTH/DAY/YEAR MONTH/DAY/YEAR

(a) Description of Activity This section relates to the building where abatement work will be performed.

TYPE OF BUILDING: SINGLE FAMILY DWELLING MULTI-FAMILY DWELLING CHILD-OCCUPIED FACILITY

PROPERTY NAME (IF APPLICABLE): _____

PROPERTY ADDRESS INCLUDING APARTMENT AND/OR UNIT NUMBER(S):

_____

STREET ADDRESS CITY STATE ZIP CODE

SQUARE FOOTAGE/ACREAGE TO BE ABATED: _____

PLEASE WRITE A BRIEF DESCRIPTION OF ABATEMENT PROJECT TO BE PERFORMED. (ENCLOSE ADDITIONAL PAPER IF NECESSARY)

(a) Firm Information

NAME: _____ FIRM'S CERTIFICATION NUMBER: _____

ADDRESS:

_____

STREET ADDRESS CITY STATE ZIP CODE

PHONE NUMBER: _____

(a) Certified Supervisor's Information

NAME:

_____

EPA CERTIFICATION NUMBER: _____ (CHECK HERE IF WORKING UNDER INTERIM CERTIFICATION AND ENTER THE IDENTIFICATION NUMBER FROM YOUR COURSE COMPLETION CERTIFICATE IN THIS SPACE)

(a) Firm Affirmation Please note that this form is incomplete without a signature.

I HEREBY ATTEST AND AFFIRM THAT THE INFORMATION INCLUDED ON THIS NOTIFICATION FORM IS TRUE AND ACCURATE TO THE BEST OF MY BELIEF AND KNOWLEDGE. I ACKNOWLEDGE THAT ANY APPROVAL AUTHORIZED PURSUANT TO THIS NOTIFICATION WILL BE SUBJECT TO REVOCATION IF ISSUANCE WAS BASED ON INCORRECT OR INADEQUATE INFORMATION THAT MATERIALLY AFFECTED THE DECISION TO ISSUE THE APPROVAL.

NAME: _____ TITLE:

_____

SIGNATURE: _____ DATE SIGNED:

_____

(1) For information on EPA and other lead programs, see the web site: http://www.epa.gov/lead/

(2) This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2070-0195). Responses to this collection of information are mandatory (40 CFR 745). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to range from 0.2 to 0.5 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

(3) Privacy Act Statement: This statement is provided pursuant to the Privacy Act of 1974, 5 U.S.C.

(4) §552a. The authority for collecting this information is 40 C.F.R. Part 745, and 15 U.S.C. §§2682 and 2684. The information collected on this form will be used to establish the applicant's eligibility for certification to conduct lead-based paint activities and renovations in target housing and child occupied facilities. Disclosure of this information is voluntary; however, the failure to provide this information may delay or prevent an applicant's certification. This information may be disclosed in appropriate and limited circumstances to: EPA employees, contractors, grantees or others when performing duties that are compatible with the purpose for which this information is collected and when this information is necessary to complete the task; a member of Congress in response to a request made with your consent and on your behalf; to appropriate law enforcement agencies responsible for investigating, enforcing, prosecuting or implementing specific statutes, codes or regulations and this information is relevant to that responsibility; an appropriate adjudicative body when such disclosure is compatible with the purpose for which this information is collected and the EPA or the United States has an interest in the proceeding; and the Department of the Treasury, the General Services Administration, the General Accounting Office and other Federal, State, and Local Agencies for authorized activities related to this information.

END OF SECTION 02 83 19.02