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Asbestos Abatement Project Work Plan

PROJECT:

Stratton VAMC - CLC Wing 4B Abatement

OWNER:

VA Medical Center

PRIME CONTRACTOR:

Robert F. Hyland & Sons, LLC
277 North Winton Rd.
Rochester, NY 14610

PROJECT LOCATION:

Stratton VAMC
113 Holland Ave.
Albany, NY

DATE:

November 5, 2015

Revision 2 – 2/4/16

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I. General

Greenleaf Environmental Services (Greenleaf) plans to complete this project in accordance with all federal, state, and local applicable regulations. All Greenleaf employees involved in this project shall have a current NYS DOH issued Asbestos Handlers Certificate. The competent person listed on the project shall hold a Supervisor Certificate, also issued by the NYSDOH.

II. Staff Organization Chart

STAFF ORGANIZATION CHART			
NAME	POSITION	CELL NUMBER	OFFICE NUMBER
Geoffrey Smith	President/Owner	585-694-4668	585-319-5608
Eric Frankenberg	Operations Manager	585-362-6078	585-319-5608
Dan Arroyo	Supervisor	585-208-6371	585-319-5608
Will Arroyo	Supervisor	585-410-9403	585-319-5608

III. Demolition

- a. *Phase 1 Demolition* – Phase 1 demolition shall take place prior to abatement activities and consist of the removals of perimeter non-ACM ceilings, partition walls, floor tile, carpet, wall-mounted items.
- b. *Phase 2 Demolition* – Phase 2 demolition shall take place after abatement activities have been completed and consist of the removals of the remaining interior hallway walls.

IV. Asbestos Abatement

Once initial Phase 1 demolition has been completed, Greenleaf personnel shall cordon the designated work area at all entrances to the “B” Wing, located on the 4th floor, with barrier tape and signage. This shall warn the public and other contractors of the regulated work areas, per OSHA, EPA and NYS ICR 56-7.4.

a. Decontamination Unit & Work Area Set Up

- i. A single attached decontamination unit and waste decontamination unit, per NYSDOL & OSHA 1926.1101 shall be constructed at the entrance to the “B” Wing, 4th floor as shown on the drawings. This

CLC Wing 4B Abatement

unit shall not block any access or egress, per building fire code. This Unit will service abatement activities, for the removal of heat radiator air cell insulation, floor tile, mastic, TSI & fittings and residual ceiling plaster. This unit will be equipped with hasps, hinges and locks, to be secured during off –shift hours, to prevent access of the general public.

- ii. HVAC system shall be isolated and sealed with F/R poly sheeting.
- iii. Pre-cleaning of surfaces within the regulated area shall be HEPA vacuumed and wet wiped prior to work area containment installation.
- iv. Critical barriers, full containment and HEPA-filtered negative air units will be installed within the work area, to create a negative pressure work atmosphere. Eight (8) HEPA- filtered negative air units shall be exhausted out of the work area room windows.
- v. A manometer will be setup at the entrance to containment area, to monitor and document negative air pressure (-.02 h2o).
- vi. Any electrical services that cannot be shutdown and require protection during the abatement process shall be HEPA vacuumed, then protected with (3) three independent layers of (6) six mil polyethylene sheeting and marked DANGER LIVE ELECTRICAL - KEEP CLEAR at a maximum of (10) ten foot intervals. Onsite coordination will need to be performed with VA maintenance personnel to identify utilities that will need to be locked out and tagged out by both parties on an area-by-area basis.

b. Asbestos Abatement Activities

- i. The scope of this project is to perform the removal of heat radiator air cell insulation, floor tile, mastic, TSI & fittings and residual ceiling plaster. This project will be performed within a single phase and is anticipated to be completed within 40 days.
- ii. Tile and linoleum flooring shall be removed utilizing manual methods and containerized for proper disposal.
- iii. Floor mastic shall be removed utilizing mechanical methods (bead blasting) and containerized for proper disposal.
- iv. TSI shall be performed as gross removal and containerized for proper disposal. Ceilings directly below the TSI and wall chases will be removed under containment and disposed of as RACM.
- v. All friable materials shall be removed first, then non-friable and bead blasting of floor mastic shall take place.
- vi. Waste shall be bagged out through the waste out unit attached to the work area. Then transported in enclosed hard top containers, to the maintenance elevators down to the loading dock and out to a staged roll-off (parking lot area) holding area for future disposal. Only clean C/D will be removed via chute, during demolition activities.

c. Cleaning, Visual Inspect and Teardown

- i. Work area shall be cleaned and lockdown encapsulate applied to the all surfaces within the regulated work area which are not the subject of removal or abatement.
- ii. After all gross abatement activities are completed, 1st thorough clean and a single (12) twelve-hour waiting period shall take place.
- iii. Then a 2nd thorough clean and a single (12) twelve-hour waiting period shall take place.
- iv. Final cleaning and a single (12) twelve-hour waiting period shall take place.
- v. Visual inspection by the Supervisor and the Project Monitor shall take place and based on approvals final air clearance sampling shall commence (provided by VA 3rd party).
- vi. After post abatement cleaning and teardown activities have taken place, the decontamination and waste out facilities can be disassembled and removed from site.
- vii. A final review of the area shall take place, to verify no hidden dust or debris remains. This shall be noted within the Supervisors log book.

d. Negative Air Calculation

- i. Work Area Cubic Foot = 108,000 CF/7.5 min (8 air changes per hour) = 14,400 CF / 1500 CFM (75% capacity) = (9.6 units), or **10 units, plus backup.**

V. Emergency Plan

Greenleaf plans to follow the fire and life safety layout as described within and site posted escape routes. All fire protection systems will remain in operation throughout this project. (1) Fire extinguisher will be located in each active work area, and (1) per decontamination unit. Decontamination and Waste Unit shall not block corridors or emergency exits. Signage will be posted to notify the public for alternate exits to be used during construction periods (*if necessary*).

In the event of an emergency, all employees shall evacuate to the nearest emergency exit, proceed out of the building and collect in the adjacent parking lot for head count.

VI. Work Schedule

- a) Greenleaf plans to work one (1) shift per day from 8:00 AM - 5:30 PM, Monday-Thursday (4-10 hour days).
- b) Greenleaf anticipates a crew consisting of (1) Supervisor, (9) worker handler onsite. Additional worker handlers may be added for the removal days, as needed.
- c) This project is estimated to be completed in (40) days.

VII. Construction Waste Management

For this project there will be (1) one waste stream, friable asbestos waste. The waste hauler for this project will be Silvarole Trucking and the facility/landfill for the waste is listed below. *(See appendix d for additional information)*

Waste Type	Disposal Facility Name	Site Address	Phone Number
Friable Asbestos	High Acres Landfill	425 Perington Parkway Fairport, NY 14450	(585) 223-6132

Appendix

Asbestos Handling License

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Greenleaf Environmental Services, LLC

P.O. Box 10569

Rochester, NY 14610

FILE NUMBER: 13-70976

LICENSE NUMBER: 70976

LICENSE CLASS: FULL

DATE OF ISSUE: 04/23/2015

EXPIRATION DATE: 04/30/2016

Duly Authorized Representative – Geoffrey Smith:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor