Colorado Department of Public Health and Environment
Air Pollution Control Division
Asbestos Compliance and Assistance Group

Structurally Unsound Building Variance Request Checklist

Required Notifications

- ☐ Need to apply for an Abatement Permit with appropriate fee.
- ☐ Need to apply for a Demolition Notice with the proper fee.
- ☐ Need to apply for a Variance with a $50 fee.

Introduction

■ Please describe the type of structure, its location, and the intent of work operation. ■ Please include any information that will be helpful in understanding the overall project including but not limited to, history of the structure, what caused the structure to require the variance, the types of material, any surrounding structures that may be affected and any pictures that would be of help determining the acceptance of the variance. ■ Please include a diagram and pictures of the site.

Site Preparation and Personnel

- ☐ Regulated Area – Describe the regulated area including the location of the signage, fencing and poly, warning tape, any blockages such as streets or sidewalks.
- ☐ Training - Need to have all persons within the regulated area trained and certified, including the equipment operators.
- ☐ Entry and Exit to the site – Describe the procedures to enter and exit the regulated area including but not limited to, use of a decon unit or alternate procedures and how entry and exit will be monitored.
- ☐ Decontamination – ■ Describe the decontamination practices, use, and how the workers will decon the clothing and tools. ■ Describe how the decon of large equipment will be done.
- ☐ Protective Equipment - Describe the protective equipment used by the workers. (No street clothes under protective suites)
- ☐ Berm –Describe the construction, use, deconstruction and daily inspection of the berm.
- ☐ Critical Barriers – ■ Describe the location and use of any critical barriers used, including adjacent structures. ■ Describe the protections that will be used for structures adjacent to the demo area.
- ☐ Utilities – describe the site utility shut offs and any lock-out/tag-out methods used.

Transportation

- ☐ Trucks/Dumpsters – Describe who will inspect the trucks/dumpsters after loading and sealing with poly.
- ☐ ■ Describe the procedures if ACM is found on the exterior of the trucks/dumpsters.
- ☐ ■ Describe the procedure if a breach occurs in the waste disposal container(s) in the trucks/dumpsters. Trucks/dumpsters shall be equipped with a leak-proof waste container that will not rupture during loading, transporting or the act to deposition at the landfill. It is recommended that a layer of polyethylene line the bottom of the truck/dumpster to assist in sliding the waste container out of the truck/dumpster.
- ☐ ■ Describe the construction and use of a loading pad for the trucks/dumpsters.
- ☐ ■ Landfill - Describe the unloading procedures at the landfill.
- ☐ ■ Describe the contingency plan for spills during loading and unloading.

Removal of Contaminated Debris

- ☐ Describe the entire demo process and the equipment used to accomplish the demo including how the truck will be loaded. Describe the equipment that will remain inside the fenced area until decontamination is complete.

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☐ Wetting - Describe the wetting of the debris field. ■ Describe the use of wetting where the demo equipment is contacting the debris (such as where a bucket of a back hoe/ track hoe contacts the material) ■ Describe the construction and use of a wetting bar, if used.

☐ Describe the procedures for the discovery of friable material if found.

Work Practice Changes

☐ Describe the procedures for a change in work practices such as changes to the work when the MAAL has been exceeded.

Disposal

☐ Describe the disposal methods including how the waste will be packaged.

Wind

☐ Include the stop work procedures when a sustained wind exceeding 12 mph is encountered. Describe procedures when wind gusts exceed 20 mph. Language should read something like this:

- Wind Speed Shutdown and Resume Conditions - All wind speed measurements shall be taken outside any windscreens in locations in close proximity to, and representative of, the work area in which the material is being handled.
  - o Shutdown conditions- removal/disturbance operations shall immediately and temporarily cease when one or more of the following 4 conditions have been met:
    - any wind gust reaching or exceeding 20 miles per hour as determined by hand-held instruments;
    - sustained wind speeds reaching or exceeding 12 mph averaged over a period of 10 minutes;
    - winds are producing visible emissions or creating movement of dust or debris in or near the removal/disturbance area, or
    - winds are impacting on the ability of engineering controls to work as designed.
  - o During wind-related work shutdowns, other work activities not involving removal or disturbance (e.g., lining dumpsters) may continue.
  - o After a Wind Shut Down: Resume Conditions - Disturbance activities may resume after all of the following 4 conditions have been met:
    - all wind gust readings for a period of 20 minutes drop below 20 miles per hour as determined by hand-held instruments;
    - sustained wind speeds are below 12 mph averaged over a period of 20 minutes;
    - winds are no longer producing visible emissions or creating movement of dust in or around the removal/disturbance area, and
    - winds are not impacting on the ability of engineering controls to work as designed.

Air Monitoring and Visual Inspection

☐ Describe in detail: the air monitoring to be used, the approximate locations on site (point of operations and/or perimeter), the number of air samples to be collected, a description of the analytical method(s) (PCM/TEM) and how the results will be interpreted.

☐ Describe the contingency plan when the air sampling detects an asbestos fiber release. How and when will CDPHE be notified of detectable asbestos fiber releases?

☐ Describe in detail any clearance sampling procedures, if applicable.

☐ Describe in detail the final visual clearance procedures used by the AMS/Inspector.