



**The Parks at Walter Reed
Buildings 2, 2A, 88, and 4 Demolition:
Enhanced Dust Mitigation Plan
9/12/18**

The following information is intended to summarize the means and methods used for dust mitigation in response to community concerns.

There will be visible dust at times during the course of the demolition process. This enhanced Dust Mitigation Plan and resulting dust mitigation work performed by NorthStar is intended to contain dust migration within the construction site boundaries and maintain OSHA compliant onsite conditions. Operations will continue to meet or exceed all local DC and Federal rules and regulations that may apply to demolition projects and related activities.

Multiple onsite personnel including project managers, foremen, and site safety officers will monitor site conditions, and the senior onsite project managers will direct the dust mitigation efforts and have authority and responsibility to stop any/all operations if conditions are not compliant with plan as described herein. All employees working on the site will also be informed regarding the dust mitigation protocol for the site.

All exterior activities are recorded via site camera and daily logs. Daily logs are also used to document interior demolition preparatory progress.

1. Suppressing and Containing Dust Related to Demolition

- a. Sufficient base level and supplemental equipment will be available on site to apply water to all building areas where building components, materials and/or debris with the potential to produce dust, will be available and functional prior to and during all work.

Base Level Onsite Equipment

- i. Fire Hydrant – Water Source – QTY 4
- ii. Fire Hose and Nozzle – QTY 2 plus
- iii. DustBoss – Fan driven water misting equipment – QTY 2

Supplemental Onsite Equipment for Enhanced Mitigation

- iv. Fire Hose and Nozzle – QTY 2-4
- v. High Output DustBoss – Fan driven water misting equipment – QTY 2



- vi. 5000-gal Water Tank Truck – Truck with pump and nozzle – QTY 1 (daily),
(2) additional 5000-gal Tanker Trucks will be added to the fleet for the few remaining larger volume corner “drops”.

b. Structure Preparation and Sequencing

- i. Remove windows from building to allow dust to enter migrate and settle within the building.
- ii. Remove all cantilevered portions of the building in small sections.

c. Wetting surfaces and materials prior to mechanical disturbance

- i. Water will be applied to building components, materials and/or debris to minimize both the production and release of dust that may result from building demolition or related activity.
- ii. Application of water onto building components, materials and/or debris will be sufficient to fully soak these materials and minimize dust during all demolition activities.
- iii. Application of water will soak building components, materials and/or debris prior to disturbance of these materials.
- iv. Application of water will soak the ground before falling debris makes impact.
- v. Prior to the start of demolition, water of sufficient quantity and flow rate will be available at each active demolition area and other areas where materials are being mechanically manipulated or disturbed. If water is not available, or is interrupted, demolition work and related activities that can produce dust will be paused until sufficient water is again available.



2. Suppress Dust Related to Concrete Crushing

- a. Use concrete crushing equipment that is designed and capable of containing dust produced with crushing concrete debris onsite.
- b. Apply water to concrete debris and crushed concrete product to suppress the release of dust.

3. Hauling of Material

- a. Fully cover each load with a tarp.
- b. Operation, maintenance, and loading of the vehicle, distribution of the loaded material on or in the vehicle and limiting the quantity of material loaded on or in the vehicle, so that there will be no spillage of the material onto the roads.
- c. Truck/Tire Cleaning - In the event where vehicles may accumulate dirt on the wheels, undercarriages, and other parts of the vehicle, due to the movement of the vehicle on dusty, dirty or muddy surfaces: Water washing as required of all of the dirty parts of the vehicle to thoroughly remove the dirt before or immediately after the vehicle leaves the dusty, dirty, or muddy surface.

4. Consideration for High winds or winds of an unfavorable direction

- a. Wind speed and direction will be monitored before dust creating activities occur.
- b. If wind current is deemed to possibly carry dust to the project boundary and into public space, additional water will be used to suppress these emissions and any contributing activity such as mechanical disturbance of the stockpiles may be paused until unfavorable wind conditions subside.

End of Enhanced Dust Mitigation Plan

