Local Fire Debris Removal Program Standard Work Plan Template

To ensure safety to workers, the public, and the environment, certain protocols must be followed during a wildfire disaster when removing structural ash and debris left from the Thomas Fire. The City of Ventura is offering two ways for property owners to manage the fire debris and ash from the wildfire disaster, 1) participate in the State-sponsored Consolidated Debris Removal Program or 2) submit a Local Fire Debris Removal Program Application and Work Plan.

Property owners who choose not to participate in the State-sponsored Consolidated Debris Removal Program (or are not eligible) will need to submit a Local Fire Debris Removal Program Application and work plan to the City of Ventura for approval at least two weeks prior to commencing debris removal.

The work must be completed pursuant to City of Ventura Ordinance No. 2018-02 and adhere to the ash and fire debris removal protocols and standards set forth by the City, County and State. These standards are established to ensure protection of public health and are the same standards applicable to the State-sponsored Consolidated Debris Removal Program. This document is a standard work plan template for the Local Fire Debris Removal Program work plan requirement.

Complete and submit both this standard work plan and the Local Fire Debris Removal Program Application to Ventura City Hall, 501 Poli Street, Room 120 or jyahner@cityofventura.ca.gov.

Questions can be directed to Joe Yahner, Environmental Services Manager, at 805-652-4558.

1.0 Project Overview

1.1 Property Information and Property Owner Contacts		
Property Owner Name:		
Property Address:	City:	Zip:
Assessor's Parcel Number (APN):		
Phone(s):	Email:	
Mailing Address:	City:	Zip:

1.2 List of Contractor(s) and Consultants	
Name:	License No.:
Phone:	Email:
Name:	License No.:
Phone:	Email:
Name:	License No.:
Phone:	Email:

1.3 Scope of Work:
Provide a brief description of property and proposed activities (Footprint, description of structures and/or debris). Attach Photos /Sketches of ash footprint.
Identify/discuss proposed equipment material staging areas:

Identify/discuss Site Health and Safety Protocols and Traffic Control:
If applicable, damaged water wells and/or water lines on property will be addressed in the following manner:
If applicable, damaged septic systems and/or sewer lines on property will be addressed in the following manner:

1.4 REQUIRED Notifications / Permits / Hours of Operation
Underground Service Alert (USA) – Call 811 Dig Alert prior to digging.
Ventura County Air Pollution Control District 669 County Square Drive Ventura, CA 93003 Main Office – (805) 645-1400
City of Ventura Engineering 24 hours prior to beginning debris removal activities, call the inspection line at (805) 654-7767 and leave a message reporting the site location.

2.0 Background Site Assessment

2.1 Site Testing and Analysis Plan (Asbestos and Soil)

A certified asbestos consultant and soil consultant will be hired to test the site. Site testing and analysis for asbestos and soil will be addressed in the following manner:

2.2 Foundation Analysis and Plan

In general, the structural integrity of concrete and masonry can adversely be affected in fire situations, especially when the structure is completely consumed by the fire. The properties of the material may be irreversibly altered deeming it unsatisfactory for reuse in supporting a rebuilt structure. Property owners have two options:

1. Completely remove and dispose of foundation,
2. If foundation is to remain in place, an approval from City of Ventura Building and Safety is required.

Structural foundations on the property will be addressed in the following manner:

3.0 Hazardous Waste and Asbestos Removal

During Phase One of Consolidated Fire Debris Removal, teams of County staff and experts from the California Department of Toxic Substances Control (DTSC) inspected the property and removed any identifiable and accessible household hazardous waste that may pose a threat to human health, animals, and the environment such as batteries, oil, propane tanks, visible bulk asbestos, and paints. However, some hazardous materials and/or asbestos or asbestos containing materials (ACM) may still be present on the property and pose a threat to public health and the environment. Proper protection should be worn when handling, sorting, and transporting these materials (sturdy footwear, gloves, respiratory protection).

3.1 Hazardous Waste and Household Hazardous Waste Removal

All remaining hazardous waste and household hazardous waste will be identified and disposed by a certified hazardous waste contractor. Household hazardous wastes (batteries, propane tanks, paint, gasoline cans, cleaning products, pesticides, fluorescent light bulbs, etc.) should be identified, segregated, and disposed of at a Household Hazardous Waste Facility or Recycling Facility.

Hazardous Waste Handling and Removal Procedures
Certified Hazardous Materials/Waste Contractor
Name: License No.:
Disposal and/or Recycling Facility(s) (if applicable)

3.2 Asbestos Removal

Asbestos or ACM requires assessment by a Certified Asbestos Consultant. Asbestos and asbestos containing material must be removed by a licensed Asbestos Abatement Contractor. If bulk loading ACM, the bin or container used for transport shall be double-lined with 10-mil poly in such a way that once loaded both layers can be sealed up independently (“burrito-wrap method”).

Asbestos Handling and Removal Procedures
Certified Asbestos Consultant hired to test the site
Name: License No.:
Asbestos Removal Contractor (if applicable)
Name: License No.:
Disposal Facility(s) (if applicable)

3.3 Air Monitoring Protocols for Fugitive Dust Control

Property owners or their contractors must provide water or an approved dust palliative, or both, to prevent a dust nuisance at the site. Refer to VCAPCD's *Guidelines for Thomas Fire Debris Removal at Affected Residential Sites in Ventura County*. **VCAPCD is requiring a "zero-dust" policy for all contractors performing fire debris removal.** Dust resulting from performance of the work will be controlled at all times in a manner that does not generate runoff. Dust Control Methods include:

- **Control 1**- Water or an approved dust palliative, or both, will be used to prevent dust nuisance at each site Each area of ash and debris to be removed will be pre-watered with a fine spray nozzle, 48 to 72 hours in advance of the removal.
- **Control 2**- All loads shall be covered with a tarp; this includes metal debris. Ash and debris loads shall be fully encapsulated with 10-millimeter plastic ("burrito wrap" method). Concrete loads are exempt from a tarp provided the loads are wetted prior to leaving. If concrete loads generate dust, then the loads must be wetted and covered.
- **Control 3**- All waste material that is not unloaded at the end of each workday will be consolidated, sufficiently wetted, and/or covered to prevent the offsite migration of contaminants.
- **Control 4**- All visibly dry disturbed soil surface areas of operation should be watered to minimize dust emissions during performance of work.
- **Control 5**- Speeds must be reduced when driving on unpaved roadways.

- **Control 6**- Procedures will be implemented to prevent or minimize dirt, soil, or ash contaminating roadways, neighboring parcels, or creating an airborne health hazard.

In addition to the above listed methods, dust from debris removal activities on the property will be addressed in the following manner:

4.0 Debris Removal and Disposal / Recycling

Remove ash and debris, metals, and concrete from the site and dispose of properly. Metals and concrete will be recycled if possible. Appliances and vehicles will be handled properly to meet the requirements of metals recycling facilities. Vehicle Identification Numbers must be documented. All waste must be disposed of at an approved location from the list provided in Appendices C and D in *Guidelines, Templates and Resource List for Property Owners, Contractors and Consultants*. Debris will be handled in the following manner:

4.1 Ash and Fire Debris
4.2 Metals Including Vehicles and Appliances
4.3 Concrete, Brick & Masonry

5.0 Soil Grading and Erosion Control

5.1 Description of Grading

Remove 3 to 6 inches of soil from the impacted area after burn ash and debris is removed to a level of visually clean.

5.2 Description of Erosion Controls

When active fire ends it leaves behind bare dirt or decreased vegetative cover. Because of the loss of vegetation, the top layer of soil becomes loosened, making it vulnerable to increased runoff, erosion and sedimentation. Erosion and sediment stabilization practices will be implemented to keep sediment and debris from impacting homes. Erosion and sediment stabilization techniques to be used are listed below and are consistent with recognized Best Management Practices and outlined in the *Guidelines, Templates and Resource List for Property Owners, Contractors and Consultants*.

6.0 Confirmation Sampling

Initial Screening Criteria and protocols have been established in consultation with CalRecycle for soil confirmation sampling after completion of visible cleanup of properties. These are initial health screening criteria in the absence of background data. Screening levels listed below may be raised (more lenient) should ambient concentrations of metals be found to be prevalent in background data sets. Testing of metals must be performed by EPA Lab Method 6020, with the exception of Mercury by EPA Method 7471A. A licensed soil consultant will collect soil samples from a depth of 0-3 inches for confirmation sampling and compare results to clean-up goals. **Attach a sketch showing the ash footprint and anticipated soil sample locations.**

Soil Consultant Collecting Samples
Name: License No.:
State-certified Laboratory
Name: Phone:

Initial Health Screening Criteria for Soil		
Analyte	Health Screening Level mg/Kg	Cleanup Level
Antimony	30	Health Screen
Arsenic	0.07	Background
Barium	5,200	Health Screen
Beryllium	15	Health Screen
Cadmium	1.7	Health Screen
Chromium	36,000	Health Screen
Cobalt	23	Background and Health Screen
Copper	3,000	Health Screen
Lead	80	Background and Health Screen
Mercury	5.1	Health Screen
Molybdenum	380	Health Screen
Nickel	490	Health Screen
Selenium	380	Health Screen
Silver	380	Health Screen
Thallium	5	Health Screen
Vanadium	390	Health Screen
Zinc	23,000	Health Screen

Final Report

After implementation of the approved work plan, a *Property Clean-up Completion Certification*, along with a Final Report will be submitted to the Environmental Sustainability Division. Information and documentation included in the Final Report will follow the outline provided in Appendix B of the *Guidelines, Templates and Resource List for Property Owners, Contractors and Consultants*.

7.0 Attachments (Vicinity Map, Plan Maps, Photographs, Drawings, Laboratory Test Results, Etc.)