

Guidelines and Resource List for Property Owners, Contractors and Consultants

The following guidelines, templates, and resource list have been created to assist property owners, contractors and consultants through the cleanup process. While the templates presented here are optional, it is strongly recommended that property owners, contractors and consultants follow the organizational processes outlined. This will enable a more expedient review and approval of work plans and reports, and help reduce timelines for Placer County Environmental Health to issue a Property Cleanup Completion Certification for your property to start the rebuilding process.

Guidelines/Templates/Resource Summary

Appendix A	Work Plan Outline/Contents
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Work Plans and Reports Outline/Contents

Please be advised it is the intent of Work Plans and Reports to provide working guidance such that no steps are missed in the cleanup process that might unduly burden property owners in having to perform additional or unnecessary work that may have been identified at the early stages of the project cleanup.

Included as **Appendix A and B** to this document please find general work plan and report format outlines that will assist in the timely review of submitted documents. **Appendix E** includes a standard work plan template that can be used to ensure that a comprehensive work plan is submitted, although site-specific details are required.

Debris Removal Requirements to Solid Waste Disposal Facilities

As a general note, sites that the Department of Toxic Substances Control (DTSC) have marked as potentially not cleared of household hazardous waste (HHW) shall be appropriately addressed within the work plan for debris characterization, removal and disposal. Fire debris/ash at a minimum shall be disposed of at a Class III disposal facility with a liner approved by the Regional Water Control Board to accept the waste. Any debris characterization requirements of the disposal site shall be met before transportation to such site. An approved hauler appropriately licensed for the material transported will need to perform such work, and the material must be wetted and “burrito wrapped” (Cal OES Program protocol) and tarped for transport and ultimate disposal.

Contractors/haulers failing to adhere to this standard may have their material rejected at the disposal facility and/or a fine imposed.

Asbestos transport and disposal shall be disposed of at a facility permitted to accept such waste. Best management practices shall be established in such handling and disposal (work plan should have provisions outlined where asbestos is encountered), and a hauler appropriately licensed for the material transported will need to perform such work.

Transport and Disposal documentation for generated debris removal shall be retained and included with your Alternative Fire Debris Removal Program Cleanup Completion Certification submittal. Included as **Appendix C**, is a preliminary list of disposal and recycling facilities.

Metal and Concrete

Property owners and their contractor(s) should recycle metals and concrete when possible. Concrete and metal should be separated and should not be over 2 inches in dimension or have exposed rebar over 5 inches. Concrete and metal must be generally free of ash and debris.

- Metal and concrete shall be rinsed down on site and over the debris pile prior to transport. Engineering controls for storm water discharges must be in place.
- Concrete and metal must be covered with a tarp prior to transport.
- Speeds must be reduced when driving on unpaved roadways.

Dust Control

Property owners or their contractor(s) must provide water or an approved dust palliative, or both, to prevent dust nuisance at each site. Dust resulting from performance of the work shall be controlled at all times.

- Each area of ash and debris to be removed must be pre-watered 48 to 72 hours in advance of the removal. Hoses with a fine spray nozzle are recommended. The water must be applied in a manner that does not generate runoff. Engineering controls for storm water discharges must be in place prior to dust control operations.
- All loads shall be covered with a tarp. Ash and debris loads shall be fully encapsulated with 6-10-mil 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.

- All waste material that is not unloaded at the end of each workday should be consolidated, sufficiently wetted, and/or covered to prevent the offsite migration of contaminants.
- All visibly dry disturbed soil surface areas of operation should be watered to minimize dust emissions during performance of work.
- Speeds must be reduced when driving on unpaved roadways.
- Procedures must be implemented to prevent or minimize dirt, soil, or ash from contaminating roadways, neighboring parcels, or creating an airborne health hazard. The use of blower devices, dry rotary brushes, or brooms for removal of carryout and trackout on public roads is strictly prohibited.

Vehicle and Road Safety

If removal activities on property owners' parcels will create a roadway blockage or hinder traffic patterns, property owners or their contractors are responsible for obtaining any required local permits and shall post all warning signs, as required by local ordinances. As there may be many contractors actively working on remediation efforts in the burn area, it is in property owners' best interests to identify removal and remediation efforts in adjacent areas that could impact the ability to locate, park, or transport equipment and materials.

Soil Testing and Screening Criteria for Work Plans and Subsequent Report of Findings

Initial Screening Criteria will be established in consultation with the Government Program for soil confirmation sampling after completion of visible cleanup of properties. Please note, that these are initial health screening criteria in the absence of background data. If cleanup is completed before the Government Program completes its background sampling, then background samples on your property, outside the ash footprint (minimum 20 ft.), must be taken to determine if naturally occurring levels of any metals tested are above the cleanup goals. If samples from the ash footprint are below the cleanup goals, then the lab will not need to test the background samples. If sample results for any metals are above the cleanup goals, but are at or below the background sample results, this shall be explained by your soil consultant in the final testing report.

Testing of metals must be performed by EPA Lab Method 6020.

Soil sample proposed locations shall have the required 5-point composite samples evenly distributed throughout the structural footprint. Collecting composite samples in linear rows may make it easier to localize over-excavation if certain areas do not pass the health screening criteria for soils. Include calculations for determination of each structures ash foot print. Soil sampling is required beneath all burned structures on properties regardless of size (e.g. a small 10 foot by 10 foot shed would require one composite sample if there are additional qualified structures onsite).

If proposing to keep a slab, the perimeter of the slab must be scraped and composite samples collected one to two feet from the edge of the slab. A minimum of four composite samples shall

be collected around the slab (one on each side) however, additional composite samples will be required based on the calculated for the square footage of the structure (i.e. a 4,500 square foot structure would require five samples). The only exception for perimeter sampling is in area of a

non-porous surface (driveway, etc.) adjacent to the slab (detached garage, etc.). The Government Program will establish health screening criteria for soils based upon a background study. Once established this information will be made available to those participating in the Alternative program and Alternative Program will adopt those clean up goals/health screening levels. Please contact Environmental Health for additional information and direction.

Initial Health Screening Criteria for Soil		
Analyte	Health Screening Level (mg/Kg)	Cleanup Level
Antimony	30	Health Screen
Arsenic	0.07	Health Screen
Barium	5,200	Health Screen
Beryllium	15	Health Screen
Cadmium	1.7	Health Screen
Chromium	36,000	Health Screen
Cobalt	23	Health Screen
Copper	3,000	Health Screen
Lead	80	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

General Recycling and Testing Guidelines

Included as **Appendix C** is a resource list for general recycling of concrete and metals. Please note, this list is provided as a courtesy and information contained herein should be verified by the property owner/ contractor/ consultant before taking material to the vendors listed. This list is not complete. Additionally, for concrete transport and disposal, disposal may be limited due to the potential presence of asbestos. As such testing is recommended before transport, disposal and acceptance criteria should be verified with potential processors.

Well and Septic Guidelines

Well Safety

- Contact Placer County Environmental Health at (530) 745-2300 for water safety questions, well location, and to obtain information on well repair permits.
- Contact your water service provider if you are not on a well.
- If you will be rewiring electrical lines to your well, you are required to obtain a permit from Building Division.
- Identify wells and water tanks on the property and take steps to protect them during debris removal

Septic Systems

- Contact Placer County Environmental Health at (530) 745-2300 for questions regarding the location of your septic system.

- Identify septic tank and leach field locations and take steps to protect them during debris removal.
- Any immediate hazard involving the septic tank or septic system shall be mitigated prior to debris removal.

Grading and Erosion Control

Once grading has been completed, best management practices shall be implemented to establish erosion control at the disturbed site.

- Follow best management erosion and sediment control practices to prevent ash, soil, and other pollutants from washing into the street, drainage courses and culverts, or onto neighboring properties.
- Stockpiled materials that are not immediately loaded for transport shall be handled and stored on site in such a manner as to avoid offsite migration. This may include wetting and covering the waste until it is loaded and transported. Locate stockpiles away from drainage courses, drain inlets or concentrated flows of storm water.
- Stockpiled material may not be stored or placed in a public roadway.
- During the project and in the rainy season, cover non-active soil stockpiles and contain them within temporary perimeter sediment barriers, such as berms, dikes, silt fences, or sandbag barriers. You may use a soil stabilization measure in lieu of cover.
- Implement appropriate erosion control measures during debris removal and provide final site stabilization after debris removal is completed.

Foundations, Slabs, and Foundation Systems

Foundations and slabs are required to be included as part of the fire debris removed from a site unless approved by the applicable Building Division. In general, the structural integrity of concrete and masonry (CMU) 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 rendering it unsatisfactory for reuse in supporting a rebuilt structure. There are a number of tests and standards for evaluating the compressive strength of the concrete or masonry including ASTM C39 and ASTM C140 which involve taking core samples from foundations and doing a compressive test in a certified lab. Homeowners interested in pursuing an exception and retaining their foundation shall submit a letter from a Licensed Civil or Structural Engineer certifying the foundation is acceptable for rebuild. The letter shall adequately explain the basis for the decision and shall include testing results. Owners are required to obtain approval from the Placer County Building Division and Environmental Health for reuse of the foundation. Homeowners and contractors shall follow the Cal OES Program Debris Operational Guidance: Damaged Concrete at Wildland Urban Interface Fires.

Appendix A

Work Plan Outline/Contents

1.0 Project Overview

- 1.1 Property and Property Owner(s) information
 - Name and contact information
 - Site address/APN
- 1.2 List of Contractors (name, license, contact information)
- 1.3 Scope of Work
 - 1.3.1 Description of property and proposed activities
 - 1.3.1.1 **Identify equipment and material staging area**
 - 1.3.1.2 **Site Health and Safety**
 - 1.3.1.3 **Traffic Control**
 - 1.3.2 Footprint Measurements
 - 1.3.2.1 **Sketch footprint and describe type of foundation(s) and other hardscape**
 - 1.3.2.2 **Photograph each site from all sides to document all aspects of the property**
 - 1.3.2.3 **Sketch and record ash footprints**
 - 1.3.2.4 **Identify and photograph other property-specific hazards**
(i.e., swimming pools, large vehicles)
 - 1.3.3 Water Lines / Wells (if applicable)
 - 1.3.3.1 **Identify water wells on properties**
 - 1.3.3.2 **Identify water and electrical sources**
 - 1.3.4 Septic Systems / Sewer Lines (If applicable)
 - 1.3.4.1 **Identify septic tank and leach field locations** on each property
- 1.4 Statement of intent to notify and/or obtain required permits and to work within acceptable hours of operation
 - 1.4.1 Underground Service Alert (USA)
 - 1.4.1.1 **Check for underground utilities** by alerting Underground Service Alert (USA) for public right of way
 - 1.4.1.2 **Check for underground utilities** by using an independent private utility locator service for private right-of-way, if necessary
 - 1.4.2 Placer County Environmental Health Alternative Fire Debris Removal Program Application and Work Plan approval

Appendix A

1.4.3 Acceptable hours of operation:

Monday through Thursday and non-holidays	Sunrise to Sunset
Friday	Sunrise to 6 p.m.
Saturday and holidays	8 a.m. to 6 p.m.
Sunday	10 a.m. to 6 pm.

1.4.4 Sites with Naturally Occurring Asbestos: Evidence of notifying the Placer County Air Pollution Control District and approval of a NOA Dust Mitigation Plan

2.0 Background Site Assessment

2.1 Site Testing and Analysis Plan (Asbestos and Soil)

- **Conduct surveys to identify, sample, and analyze results for suspected gross asbestos containing materials (ACM)** including concrete foundations and mortar
- **Determine if Site may be impacted by Naturally Occurring Asbestos (NOA) in the soils or underlying rock. For more information, contact Placer County Air Pollution Control District at (530)745-2330**

2.2 Foundation Analysis and Plan (if foundation is to remain in place testing, certification and approval is required)

3.0 Hazardous Waste and Asbestos Removal

3.1 Hazardous Waste and Household Hazardous Waste Removal

3.2 Asbestos Removal

- **Initiate air monitoring protocol and fugitive dust controls**

3.3 Air Monitoring Protocols for Fugitive Dust Control. Additional controls may be required if NOA is identified on the site.

3.4 Submit reports for hazardous waste and asbestos survey, analytical reports and disposal documentation to Placer County Environmental Health to obtain disposal authorization for remaining ash and debris at a properly permitted landfill such as Western Regional Landfill.

4.0 Debris Removal and Disposal / Recycling

4.1 Ash, Fire Debris and Soil

- **Collect, consolidate, and remove ash, debris and soil for disposal**
 - Western Regional Landfill will need certification from Placer County Environmental Health that the ash and debris has been assessed for hazardous waste and asbestos and any discovered hazardous waste or asbestos has been properly removed and disposed prior to ash and debris arrival at the landfill.
 - All disposal-related document and receipts shall be retained for final report

4.2 Metals Including Vehicles and Appliances

Appendix A

- **Remove vehicles for recycling or disposal**
 - Name of Recycling Facility
 - Provide VIN information to DMV
 - **Collect, and remove metals for recycling**
 - Name of Recycling Facility
 - Disposal Site
- 4.3 Concrete, Brick & Masonry**
- **Collect and remove concrete for recycling or disposal**
 - **Track and log quantities and types of materials transported to landfill or recycling facility**
 - All disposal-related document and receipts shall be retained for final report
- 5.0 Soil Grading and Erosion Control**
- 5.1 Description of Grading Activities**
- **Finish grading/smoothing ground surface**
- 5.2 Description of Erosion Controls**
- **Once cleanup goals have been met**, the site will be prepared for final erosion control and certification
 - **Implement storm water best management practices** to control sediment runoff from each remediated property
- 6.1 Confirmation Sampling**
- **Prepare a site diagram that includes the anticipated soil sample locations**
 - **Sample and analyze soil**
 - **Compare soil analytical results to CalOES Program cleanup goals and background sample results, if necessary.**
 - **If results exceed CalOES Program cleanup goals and cannot be explained by the soil consultant in connection with the background samples, another layer of soil must be removed, and confirmation samples must be collected.**
 - **Acknowledge preparation of a site-specific final report per Appendix B** for delivery to Placer County Environmental Health with the Alternative Fire Debris Removal Program Cleanup Completion Certification Form
- 7.1 Attachments (If applicable):**
- Vicinity Map
 - Plan Maps including former structure and burn debris footprint
 - Photographs
 - Laboratory Test Results

Appendix B

Final Report Outline/Contents

Index of Final Report Contents:

- Section 1: Property Information (Assessor's Parcel Number, Contacts for Owner/Contractor(s)/Consultants)
- Section 2: Description of work performed:
 - 2A Site Testing and Analyses, description and summary of results (Asbestos and Soil)
 - 2B Air Monitoring Protocols for Fugitive Dust Implementation
 - 2C Hazardous Waste and Asbestos Removal Documentation, including disposal receipts
 - 2D Debris Removal Documentation, including disposal receipts
 - 2E Soil Grading / Removal to level of visually clean
 - 2F Foundations (Removal or Engineer's Certification for Potential Reuse)
 - 2G Confirmation Sampling Results Discussion
 - 2H Documentation of Appliance and Vehicle Recycling or Disposal
 - 2I Documentation of work related to Well and Septic
- Section 3: Vicinity Map, Plot Plan and Drawings
- Section 4: Analytical Table with results compared with State Health Screening Criteria
- Section 5: Certified Laboratory Reports

Appendix C

Solid Waste Disposal & Recycling Facilities

The list on this page is incomplete and other facilities in the region may accept waste, recycling, concrete and asphalt. The Alternative Program does not require owners/contractors to bring waste to any of the facilities listed on this page. Placer County recommends contacting the disposal facility regarding material acceptance status *prior* to hauling material for disposal.

Facility Name	Facility Address/Phone	Materials Accepted
Western Regional Landfill	3195 Athens Ave., Lincoln (916) 543-3960	Metal/Concrete/Asphalt, Non-Friable Asbestos, Ash/Debris Tonnage Limits & Disposal Fees apply.
Recology Ostrom Road Landfill	5900 Ostrom Rd., Wheatland (530) 743-6321	Concrete/Asphalt Non-Friable Asbestos, Ash/Debris, (not open to the general public -contracted commercial waste Haulers by prior arrangement only)
Kiefer Landfill	12701 Kiefer Rd., Sloughouse (916) 875-5555	Concrete/Asphalt

Appendix D

Asbestos and Hazardous Waste Service Providers

Burn sites should be evaluated for asbestos and hazardous waste; identified asbestos and hazardous waste shall be properly disposed of prior to commencement of demolition work and debris removal.

A list of California Certified Asbestos Consultants is available at http://www.dir.ca.gov/databases/doshcaccsst/caccsst_query_1.html Please see search function at the bottom of the web page.

Hazardous waste removal companies are listed in the Yellow Pages telephone directory under "Hazardous Material Control & Removal" or internet search engines.

Please check the California Contractors State License Board's website at <https://www2.cslb.ca.gov/onlineservices/CheckLicense/ZipCodeSearch.aspx> To verify that any contractor or company that you hire has the proper certifications to perform the type of work required on your property.