



Butte County Public Health
Environmental Health Division
202 Mira Loma Drive, Oroville, California 95965
Phone: (530) 552-3880
Email: alternativeprogram@buttecounty.net

North Complex West Zone Fire Cleanup Process Summary

There are several steps and owner choices involved in the North Complex West Zone Fire property cleanup process. This summary is intended to give property owners an overview of the required cleanup steps and the choices they may have to make during the process. If you have additional questions regarding the North Complex West Zone Fire property cleanup, please go to <https://buttecountyrecovers.org/agencies/north-complex-fire/>

Phase I

The California Department of Toxic Substances Control (DTSC) and the US Environmental Protection Agency, through their contractors, are authorized to access your property to remove hazardous household waste (e.g., propane tanks, compressed gas cylinders, solvents, etc.). **You do not have to take any action for Phase I of the cleanup process.** When Phase I is completed for your property, a marker will be placed on your property indicating Phase I is complete. You may also check the status of Phase I online at <https://buttecountyrecovers.org/ncf-phase-1/>

Phase II

Please note that Phase II cleanup is required for properties where a qualifying structure of 120 square feet or more has been destroyed by the North Complex West Zone Fire. If your property did **not** include a qualifying structure as outlined in the Government (Cal OES) Program (Phase II) you are not required to complete the Alternative Fire Debris Removal Program Application. If this describes your property, contact the Right of Entry Processing Center for the North Complex West Zone Fire, or Butte County Public Health, Environmental Health Division (Environmental Health) to obtain a certificate to bring your debris to the Neal Road Recycling and Waste Facility.

Property owners have two options for Phase II of the cleanup process.

Property owners may not perform Phase II cleanup themselves – owners are required to engage in the Cal OES Program **or** hire properly licensed and certified contractors and consultants to complete cleanup in the Alternative Program. Owners that meet the same qualifications listed for contractors or consultants may perform the work they are qualified to do on the property they own as part of their work plan under the Alternative Program.

1. Government Sponsored Debris Removal Program (Government or Cal OES Program)	
Right of Entry Permit	Property owner(s) fill out and execute the Right of Entry permit and provide specific instructions for Cal OES Program and/or its contractor for the work plan. <u>All debris removal activities under the Cal OES Program will be provided at no direct cost to the property owner(s).</u>
Asbestos Inspection and Removal	Cal OES and/or its contractor tests properties for asbestos and removes large obvious chunks of asbestos material.
Site Documentation	Cal OES and/or its contractor documents the state of the property before removal of debris, including details such as property size, units in an apartment building, number of cars, etc.
Ash and Debris Cleanup	Cal OES and/or its contractors remove all debris and ash and scrape the lot clean. <u>Cal OES and/or its contractor will contact owners before this step occurs.</u>
Hazardous Tree Removal	Cal OES and/or its contractor remove hazardous trees on the property that may compromise the safety of crews working on the site or hinder the debris clean-up process.
Erosion Control	Cal OES and/or its contractor implements erosion control measures as needed for each cleaned property.

2. Alternative Fire Debris Removal Program (Alternative Program)	
Choose the right Contractor	Property owners are required to choose a contractor with the proper California Contractors State License Board (CSLB) licensing and certifications to perform the ash and debris cleanup work, including hazardous material and asbestos removal. The CSLB website has information to assist property owners with requirements: http://www.cslb.ca.gov/Resources/GuidesandPublications/DebrisRemovalFacts.pdf You can verify a contractor’s licensing at the CSLB website: https://www2.cslb.ca.gov/OnlineServices/CheckLicenseII/CheckLicense.aspx <u>In addition to a contractor, fire debris removal will require the support of Certified Asbestos Consultant (CAC) as well as an Environmental Consultant.</u> It is recommended that property owners verify that contractors and consultants have adequate insurance and that the owner is included as an additional insured under the contractor’s insurance policy for the cleanup work.

Application/work plan	Property owners are required to work with their contractor to prepare a work plan for the Alternative Program using the guidelines following this summary. Submit the prepared plan to Environmental Health, 202 Mira Loma Drive, Oroville, California, 95965 or to alternativeprogram@buttecounty.net .
Site Preparation/ Documentation	Property owners, with their contractor, are required to document, photograph and measure the property and notify utilities as described more fully below.
Ash and Debris Cleanup	Property owners, through their contractor, are required to clean the property of ash and debris and remove asbestos and/or hazardous waste to Cal OES Program Standards. Property owners are required to take dust prevention measures, grade soil, test soil samples, remove appliances and take erosion control measures. The requirements are described more fully in the Guidelines following this Summary.
Foundation Removal or Retention	Property owners, through their contractor, are required to remove the structural foundation or provide a letter from a licensed Civil or Structural Engineer certifying that the foundation is suitable for rebuilding, with an explanation and supporting evidence. The decision as to whether the explanation is adequate is in the sole discretion of the Building Official.
Phase II Cleanup Certification	Following completion of the cleanup work, property owners, with their contractor, are required to submit a final report to the Environmental Health for review. Environmental Health will issue an Alternative Fire Debris Removal Program Cleanup Completion Certificate if the cleanup has met the Alternative Program standards. The decision as to whether the cleanup has met the Alternative Program standards is in the sole discretion of Environmental Health.

If you or your contractor discover possible human remains at any time during Phase II, please stop the cleanup process immediately and call the Butte County Sheriff's Office at (530) 538-7322.



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MANAGEMENT OF NORTH COMPLEX WEST ZONE FIRE DEBRIS

To ensure safety of workers, the public, and the environment, property owners must follow certain protocols after a wildfire disaster when removing structural ash and debris. There are **two ways** to manage the debris and ash resulting from the wildfire disaster. A residential property owner may elect to participate in the Cal OES Sponsored Debris Removal Program or may elect to complete the property remediation and debris removal by hiring private contractors and consultants to perform the cleanup work (Alternative Program).

Owners Who Choose Not to Participate in the Cal OES Program

If property owners elect not to participate in the Cal OES Program, they are still required to remediate the property and remove the burn debris **at their own expense**, comply with all applicable requirements, and do so in a timely manner. The property owners will not be reimbursed with public funds for the remediation and debris removal. The property owners shall complete the remediation through a licensed contractor with proper certifications according to the requirements of the California Contractors State License Board. The Butte County Local Health Officer has issued a Declaration of Health Emergency and a Hazard Advisory Warning describing the public health and environmental dangers associated with the ash and debris from the North Complex West Zone Fire. As a result, the cleanup work must be done safely and in a way that protects the public health and environment. Public funds will not be used to reimburse property owners for any portion of the remediation and debris removal process, including but not limited to pre-cleanup site preparation, hazardous waste and asbestos survey and remediation, ash and debris removal, foundation removal or survey, soil investigation and remediation and erosion control.

Property owners opting out of the Cal OES Program must submit the Alternative Fire Debris Removal Program Application (Alternative Program Application) and work plan to Environmental Health for approval prior to commencing debris removal. The Butte County Board of Supervisors will issue deadlines for property owners to submit the Alternative Program Application. A work plan must be submitted and approved by Environmental Health prior to the commencement of work. After implementation of the approved work plan, the owner must submit a certification showing that all work has been completed as specified. The work must be completed pursuant to standards set forth by the State and local jurisdictions. These standards are established to ensure protection of public health and are the same standards applicable to the Cal OES Program. Property owners are required to submit documentation verifying



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adequate cleanup and proper disposal of debris. Property owners shall review all requirements thoroughly before planning or pursuing their own debris removal. Property owners will not be allowed to rebuild on their property until the County has issued a certification of completion of the Alternative Program.

A summary of the protocols and requirements is below:

Cleanup Operations	Cleanup Protocols
Whenever necessary to make an inspection to ensure compliance with the approved work plan, any authorized official of the County may, upon presentation of proper credentials, enter such property at all reasonable times to inspect any provision of the approved work plan.	
Work Plan	Contractor must create a work plan that provides for site protocols listed below including (but not limited to) testing and analysis, hazardous waste and asbestos removal, debris removal, erosion control, soil grading and confirmation sampling. Areas with naturally occurring asbestos (NOA) may have additional requirements to comply with State regulations, including notifying the local air district and submitting a formal NOA Dust Mitigation Plan.
Site preparation/ documentation	<ul style="list-style-type: none"> • Contractor must measure, record and photograph foundation and cleanup area (square footage of ash footprint) • Contractor must notify appropriate entities of cleanup, such as local utilities and USA Underground.
Application Process	Property owner and/or contractor must submit the Alternative Program Application and work plan to Environmental Health.
Asbestos Assessment and Removal	<ul style="list-style-type: none"> • Contractor or Property owner shall hire a Certified Asbestos Consultant (CAC) to perform asbestos testing at the property and hire a licensed contractor with a certificate for asbestos abatement (Certified Asbestos Contractor) to properly remove and dispose of any remaining asbestos. During Phase I, DTSC and/or its contractor may not remove all asbestos from the property. DTSC and/or its contractor will remove asbestos-containing materials which are easily identifiable and removable. Materials that are believed to be asbestos-containing which are not removed will be marked by DTSC and/or its contractor. Asbestos-containing materials shall be



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Cleanup Operations	Cleanup Protocols
	<p>properly assessed and removed by a Certified Asbestos Contractor.</p> <ul style="list-style-type: none"> • The CAC will evaluate each property for suspect asbestos containing material. • As chimneys are considered a free-standing structure, a full asbestos survey is required. Each standing chimney on a property will be knocked over using one to two water streams to abate potential dust and exposures. The chimney shall be pre-wetted along with the fall zone. Once the chimney is safely on the ground, the CAC shall visually observe the interior of the chimney flue for suspect materials. If no suspected asbestos materials are identified, then the debris removal may commence. • If asbestos is discovered on the property, the CAC must submit the results of the asbestos survey including laboratory results and documentation of proper asbestos removal and disposal to the Environmental Health to obtain authorization to dispose of ash and debris at a properly permitted landfill such as the Neal Road Recycling and Waste Facility.
Hazardous Waste Removal	<ul style="list-style-type: none"> • Contractor or Property owner must take all reasonable precautions required to remove and properly dispose of any remaining hazardous waste. During Phase I, DTSC and their contractors will remove any hazardous materials and hazardous waste that they find during their assessment, but may not find all hazardous waste that is present. • The Environmental Consultant is required to submit results of the hazardous waste survey and, if applicable, documentation of proper hazardous waste removal and disposal to Environmental Health to obtain authorization to dispose of ash and debris at a properly permitted landfill such as the Neal Road Recycling and Waste Facility.
Debris and Ash Removal	<ul style="list-style-type: none"> • Contractor is required to remove ash and debris, metals and concrete from site and dispose of properly. • Contractor should recycle metals and concrete when possible. Concrete brought to the Neal Road Recycling and Waste Facility must not be over 2 inches in



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Cleanup Operations	Cleanup Protocols
	<p>dimension and may have exposed rebar over 5 inches. Concrete and metal must be generally free of ash and debris. Disposal fee schedule is currently under review and subject to change.</p> <ul style="list-style-type: none"> • Contractor may dispose of waste at the Neal Road Recycling and Waste Facility or other properly permitted landfills. Contractor must present a clearance from Environmental Health at the scale house to allow for disposal.
Air Monitoring	<p>Fugitive Dust – Dust is a significant concern and contractor is required to take adequate dust control measures at all times, such as water applied to burn ash materials, most importantly during owner or contractor disturbance and loading. Contractor is required to properly contain fire debris and ash during transport to prevent escape.</p> <ul style="list-style-type: none"> • Contractor is required to visually monitor the cleanup site for fugitive dust. • If recommended by a Certified Asbestos Consultant (CAC), the contractor shall monitor the air at the site for asbestos during debris removal activities. • If required, contractor must provide air monitoring results at final certification
Foundations	<p>Contractor is required to completely remove and dispose of foundation; or Submit a letter from a Licensed Civil or Structural Engineer certifying the foundation is acceptable for rebuild. The letter shall certify structural reasons for the decision and include process and procedure used to reach the conclusion.</p>
Soil Grading	<p>There is a risk of potential soil contamination from the fire debris and ash. As a result, after the ash and debris are removed from the property to a level of visually clean, the contractor is required to remove an additional 3 to 6 inches of soil from the impacted area after the burn ash and debris is removed to a level of visually clean. This soil can be disposed of at a properly permitted landfill such as the Neal Road Recycling and Waste Facility and will require the asbestos/hazardous waste certification from Environmental Health. Care shall be taken during</p>



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Cleanup Operations	Cleanup Protocols
	transport of the material, as with the fire debris and ash, to prevent this material from blowing out of the transport vessel during transport, including covering the load with a tarp, and using reduced speeds on unpaved roadways. See Appendix E for additional precautions.
Confirmation Sampling	<ul style="list-style-type: none"> • After removing 3 to 6 inches of soil as part of the soil grading work described above, the certified hazmat contractor or qualified environmental health consultant shall collect soil samples from a depth of 0 to 3 inches for confirmation sampling. Results must be at or below cleanup goals as established. • Confirmation sampling shall be conducted by a qualified environmental consultant, professional engineer, or professional geologist with experience in soil investigations, and is to be conducted after fire-related debris and 3 to 6 inches of soil have been removed from the property.
Appliance and Vehicle Recycling	Appliances and vehicles shall be handled properly to meet the requirements of metals recycling facilities. Any remaining hazardous materials, such as car batteries, shall be managed properly. Vehicle Identification numbers shall be documented as outlined by the California Department of Motor Vehicles (DMV) and provided to the salvage company.
Erosion Control	Contractor is required to implement and maintain adequate erosion control measures at the end of the debris removal process.

Owners Who Fail to Adequately Remove Debris from Their Property

Due to the dangers to the public health and environment, if property owners choose not to participate in the Cal OES Program and also do not complete an adequate cleanup through the Alternative Program, they may be subject to enforcement actions. Such actions may include, but not be limited to, hazard removal and/or relocation, cleanup, site evaluation, soil testing, and/or chemical analysis. **All expenses incurred for such inspection and mitigation, including but not limited to, abatement costs, expenses, and attorney's fees, are subject to full cost recovery from the owner with a lien recorded on the property.** Deadlines for completing an adequate cleanup through the Alternative Program will be set by the Butte County Board of Supervisors.



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Confirmation Sampling

Following the removal of ash, debris, hazardous waste and asbestos and the removal of 3 to 6 inches of soil, consultants shall collect and analyze representative soil samples to determine compliance with established cleanup goals. Sampling shall be per Cal OES Program’s typical operations plan sampling frequencies included below. The total number of samples to be collected is based on estimated square footage of the ash footprint as follows:

Estimated Square Footage of Ash Footprint (Decision Unit)	Number of 5-Point Composite Samples (square feet of each area sampled is total square feet of ash footprint / the number of required samples)
0-100 square feet	1
101-1,000 square feet	2
1,001-1,500 square feet	3
1,501-2,000 square feet	4
2,001-5,000 square feet	5
>5,000 square feet	Must consult with local environmental health officials

The consultant shall collect all confirmation samples from a depth of 0-3 inches using a dedicated 4-ounce plastic scoop and mix such samples (homogenized) in a one-gallon plastic bag before placing them in 8-ounce jars. Samples shall be shipped using chain of custody documentation to a California ELAP Certified laboratory and analyzed for Title 22 Metals by EPA Method 6020 for the following metals: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc. In addition, the consultant shall collect three background samples at a depth of 3-9 inches outside the ash footprint (minimum of 20 feet) 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 test the background samples. If sample results for any metals are above the cleanup goals, but are at or below the background sample results, the consultant must explain this and why it is acceptable in the final testing report. Should the confirmation results exceed the cleanup goals and the site-specific background, the consultant must rescrrape and retest the soil. The consultant may be required to execute multiple rounds of soil scraping and sampling to achieve cleanup goals.



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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 established cleanup criteria. Include dimensions of ash foot print used to calculate the area of each structures ash foot print. Soil sampling is required beneath all burned structures on properties that have any qualified structure 120 square feet or greater, not just the residence and garage. Therefore, a small 10 foot by 10 foot shed would require one composite sample if there are additional qualified structures.

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.).

Naturally Occurring Asbestos (NOA)

Naturally Occurring Asbestos is found in some areas within the perimeter of the North Complex West Zone Fire area. The California Air Resources Board Airborne Toxic Control Measure (ATCM) requires notification and dust mitigation measures for work in NOA areas.

When performing cleanup activities on lots greater than one acre, owners (through their contractors) must notify the Butte County Air Quality Management District (District) and submit and get approval for an NOA Dust Mitigation Plan. Parcels up to one acre in size are exempt from this requirement. **However, the District recommends that, even if they are exempt, homeowners (through their contractors) protect themselves and others by following the asbestos dust mitigation measures in the ATCM.** For more information on NOA, including whether NOA may be present on your property, contact the District at (530) 332-9400 or visit: <https://bcaqmd.org/resources-education/asbestos/>.



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ALTERNATIVE FIRE DEBRIS REMOVAL PROGRAM APPLICATION

Who needs to complete this form? Private property owners who:

- (1) decide **not** to participate in the Cal OES Sponsored Debris Removal Program and choose to clean up their property by hiring a qualified contractor and following the Alternative Fire Debris Removal Program (Alternative Program); OR
- (2) own properties with qualifying structures that are not eligible for the CalOES Program. The owner is required to clean up the property to the standards established in ordinances, regulations and this document, so that health and safety risks are adequately addressed for the community and the environment. The Alternative Program requires owners to provide documentation demonstrating adequate cleanup and proper disposal of debris.

As previously noted, if your property did not include a qualifying structure as outlined in the Cal OES Plan, you are not required to complete the Alternative Fire Debris Removal Program Application. If this describes your property, contact the Right of Entry Processing Center or Environmental Health to obtain a certificate to bring your debris to the Neal Road Recycling and Waste Facility.

Please note that State disaster assistance funding will not reimburse property owners for work completed by a hired contractor under the Alternative Program.

Where do I submit this form? Submit this form to Environmental Health at 202 Mira Loma Drive, Oroville, California 95965.

Property Owner Name: _____

Phone(s): _____

Property Address: _____

City/State/Zip: _____

Assessor's Parcel Number (APN): _____

Email: _____

Mailing Address: _____

City/State/Zip: _____

Description of Debris Being Removed (number and types of structures, types of waste, etc.)

Program Participation

A Licensed Contractor with proper certifications shall perform the ash and debris removal, hazardous materials and asbestos removal and other cleanup work. Contractors must comply with the California Contractors State License Board (CSLB) requirements to perform cleanup work under the Alternative Program.

Name of Contractor:

License Number:

Proposed Start Date:

Required: Owners are required to obtain approval from the Environmental Health for the work plan prior to starting debris cleanup. Any employee performing debris removal shall have (at a minimum) OSHA 40-hr HAZWOPER Training in accordance with 29 C.F.R. §1910.120.

A. Property Owner Acceptance of Requirements and Indemnification

I have read and will fully comply, as will any contractor working on my property, with the conditions described in the document “**Management of North Complex West Zone Fire Debris**” and approved work plan. I understand the ash and debris contain hazardous substances and exposure to hazardous substances may lead to acute and chronic health effects, and may cause long-term public health and environmental impacts and proper disposal of the debris is necessary to limit these impacts. I agree to ensure my contractor will wet down ash and debris before removal and will control dust on the property. I agree to ensure my contractor will completely encapsulate the ash and debris with a tarp ("burrito wrap" method) prior to transportation for proper disposal. I agree to ensure my contractor will collect soil samples and submit analytical results with the Debris Removal Cleanup Certification to certify the project has been completed.

I understand that human remains may be encountered during the cleanup and that due to the extreme heat of the fire, any human remains are likely to consist of bones or bone fragments. I agree that if possible human remains are encountered (including any type of bones) during debris removal efforts, all personnel will be careful not to disturb the possible remains, exit the property, immediately report the possible remains to the Butte County Sheriff's Office at (530) 538-7322, and will wait for a search team to arrive and determine whether they are in fact human remains before resuming debris cleanup.

I agree that the decision as to whether the Alternative Program requirements have been met is in the sole discretion of Environmental Health and that such decision is final.

I certify that I am the owner or authorized agent of the real property located at the above address. I hereby certify that I have full power and authority to execute this application without the need for any further action, including but not limited to notice or approval from any other party.

I acknowledge that the decisions made by the County of Butte (Local Government) are discretionary functions and Local Government is not liable for any claim based on the exercise or failure to exercise a discretionary function and promise not to make such a claim. I further release and agree to hold and save harmless Local Government from all liability for any damage or loss whatsoever that may occur during or after performance of the Alternative Program activities. I therefore waive any claim or legal action against Local Government.

Property Owner Signature (Required):

Date:

Contractor Signature:

Date:

B. Environmental Health Approval

Environmental Health has reviewed the work plan for debris removal for the above-referenced property. The work plan is complete and is therefore approved. The debris removal project shall not deviate from the approved work plan without written approval from Environmental Health. Whenever necessary to make an inspection to ensure compliance with the approved work plan, any authorized official of the County may, upon presentation of proper credentials, enter such property at all reasonable times to inspect any provision of the approved work plan.

Environmental Health Representative Signature:

Print Name and Title:

Date:



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Guidelines, Templates 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 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
- Appendix B Final Report Checklist/Contents
- Appendix C Solid Waste Disposal Site/Recycling Resource
- Appendix D Asbestos and Hazardous Waste Service Providers
- Appendix E Template Work Plan
- Appendix F Cleanup Completion Certification

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 US EPA or 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 track out 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 have been established in consultation with the Cal OES 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 Cal OES 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 on site).

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 Cal OES 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 Environmental Health at (530) 552-3880 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 Environmental Health at (530) 552-3880 for questions regarding your system location.

- 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 Butte 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](#).

Visit [www.buttecountyrecovers.org/debris removal](http://www.buttecountyrecovers.org/debris%20removal).



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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 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 Butte County Air Quality Management 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. More information may be found at:**
<https://bcaqmd.org/resources-education/asbestos/>

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 Environmental Health for disposal authorization at a properly permitted landfill such as the Neal Road Recycling and Waste Facility.

4.0 Debris Removal and Disposal / Recycling

4.1 Ash, Fire Debris and Soil

- **Collect, consolidate, and remove ash, debris and soil for disposal**
 - Neal Road Recycling and Waste Facility will need certification from 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
 - 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
- 6.0 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 the County with the Alternative Fire Debris Removal Program Cleanup Completion Certification Form
- 7.0 Attachments (If applicable):**
- Vicinity Map
 - Plan Maps including former structure and burn debris footprint
 - Photographs
 - Laboratory Test Results



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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



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Appendix C

Solid Waste Disposal & Recycling Facilities

This lists on this page are 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.

Facility Name	Facility Address/Phone	Materials Accepted
Neal Road Recycling and Waste Facility	1023 Neal Road, Paradise/ (530) 879-2350	Metal/Concrete/Asphalt, Non-Friable Asbestos, Ash/Debris Tonnage limits & Disposal fees under review and subject to change.
Anderson Landfill	18703 Cambridge Rd, Anderson/ (530) 347-5236	Metal/Concrete/Asphalt, Friable/Non-Friable Asbestos, Ash/Debris & Contaminated Soils Tonnage limits & Disposal fees under review and subject to change.
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)
Franklin Construction	1019 Neal Rd, Paradise/ (530) 343-9600	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.

Appendix E

Template Work Plan

Alternative Fire Debris Removal Program Standard Work Plan Template

To ensure safety to workers, the public and the environment, property owners, contractors and consultants must follow proper protocol when removing structural ash and debris left from the North Complex West Zone Fire. The County is offering two ways for property owners to manage the fire debris and ash from the wildfire disaster: 1) participate in the Cal OES Program or 2) submit the Alternative Fire Debris Removal Program Application (Alternative Program Application) and Work Plan to Environmental Health.

Property owners who choose not to participate in the Cal OES Program (or who have qualifying structures on the property but are not eligible for the Cal OES Program will need to submit the Alternative Program Application and Work Plan application to the County. Property owners/contractors may begin debris removal when the County has approved the application and work plan.

If a property did **not** include a qualifying structure (120 square feet or more), the property owner is not required to complete the Alternative Program Application. These property owners should contact the Right of Entry Processing Center or Environmental Health to obtain a certificate to bring ash and debris to the Neal Road Recycling and Waste Facility.

Property owners/contractors must complete debris removal and cleanup to the Cal OES Program standard, as required by the urgency ordinances approved by local government. These standards are established to ensure protection of the public health and environment. This document is a standard work plan template for the Alternative Fire Debris Removal Program work plan.

Complete and submit both this standard work plan and the Alternative Program Application to Environmental Health located at 202 Mira Loma Drive, Oroville, California, 95965. The Alternative Program Work Plan must be submitted within 60 days of the submission of the Alternative Program Application to comply with Phase II Debris Removal requirements. The Work Plan shall be provided to the contractor performing debris removal and consultant performing soil testing so they can perform the work in a safe, complete and accurate manner. The approved Work Plan must be on-site and followed by all contractors, sub-contractors and soil consultants.

Appendix E

1.0 Project Overview

1.1 Property Information and Property Owners		
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.

Appendix E

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:

Attach Photos and Diagrams of ash footprint, other property specific hazards (swimming pools, large vehicles), water and electrical lines, if available.

1.4 REQUIRED Notifications / Permits
The following notifications will be made and permits obtained:
Underground Service Alert (USA) – Call 811 Dig Alert prior to digging.
Obtain approval of your Alternative Program Application from: Environmental Health 202 Mira Loma Drive, Oroville, California, 95965 Phone: (530) 552-3880 Email: alternativeprogram@buttecounty.net

Appendix E

2.0 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:

Submit a report of the asbestos survey with analytical reports to Environmental Health for disposal authorization at Neal Road Recycling and Waste Facility.

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, testing, engineer's certification and approval from the County Building Division is required.

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

3.0 Hazardous Waste and Asbestos Removal

3.1 Hazardous Waste and Asbestos Removal

During Phase I of Consolidated Fire Debris Removal, teams of County staff and experts from the 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).

3.2 Hazardous Waste and Household Hazardous Waste Removal

Appendix E

All remaining hazardous waste and household hazardous waste (HHW) shall 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.) must be identified, segregated, and disposed of properly.

Hazardous Waste Handling and Removal Procedures

Certified Hazardous Materials/Waste Contractor

Name:

License No.:

Disposal and/or Recycling Facility(s)

Submit a report of the hazardous waste survey and disposal documentation, if required, to Environmental Health for disposal authorization at Neal Road Recycling and Waste Facility.

3.3 Asbestos Removal

Asbestos or ACM requires assessment by a Certified Asbestos Consultant. **This must be completed for all properties participating in the Alternative Program.** 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.:

Appendix E

Asbestos Removal Contractor
Name: License No.:
Disposal Facility(s)

3.4 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. 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 where ash and debris are to be removed will be pre-watered with a fine spray nozzle in advance of initiating debris removal and as needed during 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 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.
- **Control 3-** All waste material that is not disposed of 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

Appendix E

Remove ash, debris, contaminated soil, metals and concrete from the site and dispose of properly. Metals and concrete shall be recycled if possible. Appliances and vehicles shall be handled properly to meet the requirements of metals recycling facilities. All waste shall be disposed of at an approved location from the list provided, or at other locations authorized to accept such waste. (See Appendix C in Guidelines, Templates and Resource List for Property Owners, Contractors and Consultants).

Debris shall be handled in the following manner:

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

Neal Road Recycling and Waste Facility will need certificate for disposal of fire debris and ash from Environmental Health.

5.0 Soil Grading and Erosion Control

5.1. Description of Grading

After burn ash and debris are cleaned from the property to a level of visually clean, remove 3 to 6 inches of soil from the impacted area. Soil shall be properly disposed of as described in 4.1 above.

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

Appendix E

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* provided.

5.2 Description of Erosion Controls

6.0 Confirmation Sampling

Initial Screening Criteria and protocols have been established in consultation with Cal OES Program for soil confirmation sampling after completion of visible cleanup of properties. These are initial health screening criteria in the absence of background data. Testing of metals must be performed by EPA Lab Method 6020. A qualified environmental consultant, professional engineer, or professional geologist with experience in soil investigations, shall collect soil samples from a depth of 0-3 inches for confirmation sampling and compare results to cleanup goals. Three samples shall be taken at a depth of 3-9 inches outside the ash footprint (20 ft. minimum) to act as background samples 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 must be adequately explained by your soil consultant in the final testing report.

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 on site).

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.).

Attach a drawing showing the ash footprint(s) and anticipated soil sample locations.

Soil Consultant Collecting Samples

Appendix E

Name:
License No.
State-certified Laboratory
Name:
Phone:

The Cal OES 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
Final Report		
After implementation of the approved work plan, the Alternative Fire Debris Removal Program Cleanup Completion Certification, along with a Final Report shall be submitted to		

Appendix E

the Environmental Health. 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.)



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Appendix F

Requirements for Final Report Submittals

Appendix F Form

Complete the form and ensure that it is signed and dated by both the property owner and the contractor. All sections shall be completed and may not reference a previous submission such as referencing the work plan. The contractor may not sign on behalf of the property owner.

Disposal Documentation

Include documentation for ash/soil, concrete and metal debris. If a property does not have one of these (i.e., some mobile homes do not have any concrete waste) then put N/A in the appropriate place on the Appendix F form.

Disposal documentation should clearly note the APN or address.

Foundation/slab

Include a statement indicating that all foundations/slabs have been removed (or include photos documenting this). The final report will not be approved prior to obtaining an approval from the building department for a slab to remain.

Soil Sampling Report

The number of soil samples collected should be the same as proposed in the approved work plan or the Confirmation Sampling requirements of the Alternative Fire Debris Removal Program Application. Any discrepancies should be noted and explained in the text of the report.

Include a brief narrative/statement confirming that soil samples met the cleanup criteria.

Laboratory reports shall include copies of the chain-of-custody documentation. All analytical results (including Mercury) shall be in a table with the cleanup goal.

If soil sample results exceed the cleanup criteria, then background soil samples may be analyzed. It is recommended that background samples be collected during the initial sampling.



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Appendix F

Most labs will allow samples to be “held” and analyzed at a later date. Therefore, these samples may be analyzed if there is an exceedance of the cleanup criteria.

It is recommended that if there is an exceedance of the cleanup goal, that that area be re-scraped and re-sampled prior to the submittal of the final report so that information can be included in the report.

Soil Sample Map

A soil sample map shall be included in the soil sampling report and not just refer to the work plan. The map shall reflect where samples were actually collected, which may differ from what was proposed in the work plan. If different then proposed, please explain the reason of the deviation in the text of the report.

Include square footage calculation of the ash footprint. If it is a hand drawn map, include dimensions of the ash footprint.

Clearly show where each sample was collected, and the sample identification. Each five sample locations for each individual composite sample shall be included. Sample IDs shall be the same for the location map, table, and lab reports.

Soil samples shall be distributed evenly throughout the footprint, with no significant gaps in coverage.



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Appendix F

ALTERNATIVE FIRE DEBRIS REMOVAL PROGRAM CLEANUP COMPLETION CERTIFICATION

What is the purpose of this form? The purpose of this form is to certify that your parcel has been properly cleaned and the removal of hazardous wastes, ash, and debris has been completed. This form will be used to certify property owner or contractor cleanup completion so that building permits can be approved.

Who needs to complete this form? Property owners who elect *not* to participate in the Cal OES Program and choose to clean up their property with a qualified contractor and consultants in the Alternative Program.

Property Owner Name: _____ Year Structure Built: _____

Property Address: _____ Town/City: _____

Assessor's Parcel Number: _____ Email: _____

Mailing Address: _____

Mailing City: _____ State: _____ ZIP: _____

A. Program Participation

Yes, I completed the "Alternative Fire Debris Removal Program Application"

B. Household Hazardous Waste and Asbestos Screening and Disposal

1. Household Hazardous Waste Removal

Description of wastes found onsite: _____

Provide disposal receipt documentation for all household hazardous waste identified and removed for proper disposal.

Appendix F

2. Asbestos Waste Screening

Contractor Name: _____ License Number: _____

Determination based on inspection:

Attach sample results, if applicable.

Consultant Name: _____ Certification Number: _____

Telephone: _____

If Asbestos was present, attach asbestos waste disposal receipts.

C. Ash, Debris and Soil Disposal

1. The ash, debris and soil was removed and disposed of by:

Licensed Contractor Hauler Contractor

Name: _____ Phone: _____

Address: _____ City: _____

License Number: _____ License Type: _____

Date of Completion: _____ (Attach disposal documentation)

D. Metal Recycling

1. The ash, debris and soil was removed and disposed of by:

Licensed Contractor Hauler Contractor

Name: _____ License Number: _____

Address: _____ Phone: _____

City/State/Zip: _____

2. The waste metal from my property was taken for recycling to the following facility(s):

E. Inert Waste (Concrete and Masonry) Disposal

1. The inert waste was removed and disposed of by:

Licensed contractor Hauler/Myself

If you checked "Hauler/Myself" go to Part E2 below. If you checked "Licensed Contractor," please provide the following information and Part E2:

Appendix F

Name: _____ License Number: _____

Address: _____ Phone: _____

City/State/Zip: _____

2. The inert waste from my property was disposed at the following facility(s):

Facility Name: _____

Date(s) of Delivery: _____

Date of Completion: _____

(Attach disposal facility documentation)

F. Cleanup Confirmation Sampling Results

1. Consultant Name: _____ License Number: _____

Please attach a copy of the consultant's report containing the sampling locations, test results, analysis and conclusions.

G. Property Owner Certification and Indemnification

I hereby certify that all identifiable asbestos, household hazardous waste, burn ash and contaminated soil that may have been generated by the 2020 North Complex West Zone Fire on my property and identified in this document have been identified, removed and properly disposed of or recycled. I understand that since cleanup of the property was performed under my direction, the County of Butte cannot certify that cleanup was adequate until I submit proof of cleanup and soil testing.

I agree to accept all responsibility for loss or damage to any person or entity, including the County of Butte and to defend and indemnify, hold harmless, and release County of Butte, its elected representatives, officers, agents, and employees, from and against any actions, claims, damages, demands, losses, liabilities, disabilities or expenses, defense costs (including reasonable attorney fees), of any kind or nature, that may be asserted by any person or entity with respect to the removal of debris and any hazardous material from the above-mentioned real estate property.

Property Owner Signature: _____ Date: _____

Contractor Signature: _____ Date: _____

County Receipt: _____ Date: _____