County of Yolo

DEPARTMENT OF COMMUNITY SERVICES
Environmental Health Division
292 W. Beamer Street, Woodland, CA 95695
PHONE - (530) 666-8646 FAX - (530) 669-1448
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April Meneghetti, REHS
Director of Environmental Health

YOLO COUNTY WILDFIRE DEBRIS MANAGEMENT REQUIREMENTS

To ensure safety to workers, the public, and the environment, certain protocols must be followed during a wildfire disaster when removing structural ash and debris from a fire. Due to the public health emergency, property owners are required to remove all burn debris from their properties in a timely manner. All cleanup activities must be completed pursuant to standards set forth by the County. These standards were established to ensure the protection of public health.

Documentation of adequate clean-up and proper disposal is required. Property owners are encouraged to review all requirements thoroughly before commencing debris removal.

- Prior to commencing any fire debris removal, the property owner is required to submit the following documents and receive approval from Yolo County Environmental Health:
    1. Yolo County Debris Removal Application; and
    2. Debris removal work plan.
- After completion of the work described in the approved debris removal work plan, the owner must submit a certification showing that all work has been completed as specified.

Property owners will not be allowed to build on their property until there is a certification of completion for the property cleanup.

The County is available to answer questions by emailing environmental.health@yolocounty.org, or calling 530-666-8646.

Debris Removal Requirements

To ensure safety to the workers, public, and the environment, certain protocols must be followed after a (wildfire) disaster when removing structural ash and debris from a fire.

Private Debris Cleanup Process Overview
Below is an overview of the debris removal operations and protocols. This information was adapted from various sources and includes “best practices.”

Cleanup Operations	Cleanup Protocols
Site Documentation	• Measure the foundation and cleanup area. • Notify appropriate entities of cleanup, including local utilities, USA Underground, and Air Pollution Control District(s).

Work Plan	• Create a Work Plan that provides for site testing and analysis, hazardous waste and asbestos removal, debris removal, erosion control, soil grading, and confirmation sampling. Visual monitoring shall be provided as part of work scope to ensure no fugitive ash or debris is created or dispersed during work. Also, the cleanup area shall be clearly delineated on a plan map with all proposed sampling locations.
Application Process	• Owner or contractor will submit a debris removal application • The County will review and issue approval of the application.
Site Testing and Analysis	• The property owner may need to hire a certified Asbestos Consultant prior to clean up and will require an environmental consultant for soil testing after clean-up.
Air Monitoring	• Fugitive dust is a significant concern and adequate dust control must be implemented (i.e water lightly applied to burned ash materials at all times), most importantly during contractor disturbance and loading.
Hazardous Waste and Asbestos Removal	• All easily identifiable hazardous waste and/or household hazardous waste must be separated from ash and debris and legally disposed of. • Asbestos, if present, must be assessed by a Certified Asbestos Consultant and removed by a licensed Asbestos Abatement Contractor.
Debris Removal	• Remove ash and debris, metals, and concrete from the site and dispose of properly. • Recycle metals and concrete if possible. • Work Areas shall be clearly delineated, and be restricted to those personnel performing the cleanup with proper PPE.
Foundations	• 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 state reasons for their decision.
Soil Grading	• Remove 3 to 6 inches of soil from the impacted area after the burn ash and debris is removed to a level of visually clean soil.
Confirmation & Background Sampling	• A licensed environmental consultant will oversee the collection of soil samples from 0-3 inches for confirmation sampling and compare soil sample results against cleanup goals. Similarly, this same consultant will collect background samples off the burn footprint from 3-9 inches to establish cleanup levels above health screening goals.
Appliance and Vehicle Recycling	• Appliances and vehicles must be handled properly to meet the requirements of metals recycling facilities.
Erosion Control	• Hay and seed with straw wattle or other erosion • Control materials will be used to maintain erosion control and water runoff after cleanup is complete.

Background Sampling

As no regional background data exists for this event, baseline sampling should be conducted under the supervision of a professionally licensed environmental consultant to determine background conditions in the vicinity of the cleanup. These results will establish site specific cleanup levels that may be in excess of published health screening levels for the site.

The establishment of background conditions must take into consideration site specific data relative to local geology, and the geologic chemical data in the background data. Results within 20% of the background data set will be considered passing.

Site Specific Background Data Collection and Analyses

The following requirements apply:

1. Three sampling locations shall be identified away from the impacted/cleanup area, such that minimal air blown ash or debris may disturb the desired samples. Locations should be staggered to represent the area. Please note, these are to be three discreet samples analyzed separately and shall not be composited into one.
2. In order to assure a “clean” or “native” sample, the first 3 inches of dirt shall be removed from the ground surface.
3. Samples shall be collected from 3 to 9 inches and placed in appropriate containers for transport to an analytical laboratory
4. Samples shall be analyzed for metals under either EPA 6010 or Method 6020 and Mercury by EPA Method 7471A. Confirmation samples taken later must use the same analytical method as used for determining background.
5. Analytical results will be reviewed and compiled by the licensed professional, and a determination made if the results are representative of background for the subject site.

Confirmation Sampling

Confirmation sampling should be conducted by a licensed professional after fire related debris has been removed from a property. Representative soil samples should be collected and analyzed to determine compliance with cleanup goals. The total number of samples to be collected is based on estimated square footage of ash footprint as follows:

Estimated Square Footage of Ash Footprint (Decision Unit)	Number of 5- Point Aliquots
0-100 square feet	1
101-1,000 square feet	2
1,001- 1,500	3
1,501-2,000	4
2,0001-5,000	5
>5,000 square feet	Must consult with local environmental health officials.

All confirmation samples should be collected from a depth of 0-3 inches using a dedicated 4-ounce plastic scoop and be placed in 8-ounce jars. Samples should be taken to an approved laboratory for analysis of Title 22 Metals including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc.

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

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

These Initial Screening Criteria have been establish based on CalRecycle guidelines for soil confirmation sampling after completion of visible cleanup of properties. These are initial health screening criteria in the absence of specific background data. Screening levels provided here **should be raised** (to become more lenient) if ambient concentrations of metals are found to be prevalent in background data sets established by the licensed professional conducting the background study.

Samples should be sent to an approved laboratory for analysis of Title 22 Metals including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc by either EPA Method 6010 or 6020, and mercury by EPA Method 7471A. Although either EPA Method 6010 or 6020 may be used, **the same lab method** should be used for baseline and confirmation samples.

Additional Advisory:

In cases where a subject site has been cleaned up to background levels that exceed initial screening levels, property owners should be advised of the exceedance.

Reporting:

In order to facilitate the expedient review of cleanup documentation, results of testing and analyses shall be outlined in tables for each site compared against the identified screening level. Certified analytical reports shall be attached including all QA/QC documentation from the lab. As the results presented will include interpretation,

all reports must be certified and stamped by the licensed professional (civil engineer, petroleum engineer, or geologist) who is taking responsible charge for the work.

Requirements

1. Cleanups shall meet the following standards.
2. Remove vehicles for recycling. Collect, stockpile, and remove metals, appliances, and similar items for recycling.
3. Trees that pose a hazard to the home site or to workers during debris removal activities, or that will pose a hazard during reconstruction activities, shall be removed. Trees may be cut and set aside for firewood or taken off site and recycled per owner's instruction.
4. Hazardous materials encountered which were missed in the previous sweep of the property, shall be set aside for later collection.
5. Remove all structural ash and debris from the impacted property.
    a. Remove structural foundation and associated concrete. Driveways may stay in place, when appropriate, to aid in erosion control during the rebuilding phase. They can then remove and replace, as necessary, as one of the last steps to reconstruction.
6. Dust control and erosion protection measures shall be incorporated as follows:
    a. Ash and debris shall be thoroughly wetted prior to removal. Hoses with fine spray nozzles shall be used to apply water to the work site prior to and during active debris removal. The materials shall also be wetted while being loaded into trucks to prevent visible dust from crossing property lines. Care shall be taken to avoid excessive use of water in order to prevent runoff. Any runoff produced shall be contained onsite.
    b. Silt fences, fiber rolls, erosion control blankets, and other best management practices shall be used to prevent ash or soil from washing into the street, drainage courses and culverts, or into neighboring properties.
    c. 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.
7. Structural ash and debris shall be transported to and disposed of at an approved landfill.
    a. Ash and debris shall be wetted, wrapped with plastic sheeting, taped closed, and covered with a tarp to eliminate the release of dust during transport (burrito wrapping).
    b. Mixed burned debris and ash shall be transported to an approved landfill. Property owners or contractors shall make contact with the landfill operator prior to hauling the waste to ensure its acceptance. Note that waste characterization testing may be required by the landfill that is the final point of disposal.
    c. A receipt for waste disposal shall be obtained from the landfill operator and a copy provided to the County as part of certification of the work.
8. Transport and disposal of recyclable materials - concrete, metal, etc., shall be handled as follows:
    a. Trees and wood waste, metal, vehicles, appliances, and aggregate material (concrete, etc.) may be recycled locally.
    b. These materials must be cleaned sufficiently of ash and debris at the site to allow safe transportation. Landfill staff may reject loads that appear to be contaminated.
    c. If recyclable materials cannot be cleaned of ash and debris, they must be handled and disposed of as mixed burned debris.
9. Soil shall be sampled and analyzed to verify that cleanup standards have been met.
    a. Following removal of all debris and impacted solid from the site, soil samples shall be collected from the impacted structure area. Sample collection shall be performed under the supervision of

a California licensed Professional Civil Engineer, Petroleum Engineer, or Geologist. A report of analytical results shall be prepared by this engineering contractor and a copy provided to the County as part of certification of the work.

b. Confirmation samples will be collected from the impacted structure area (burn footprint) in native soil, to effectively represent the cleanup area. The selection of sample locations shall be based on a 10 by 10-foot grid overlay of the impacted area with the number of samples to be collected based on the square footage.

Property owners shall ensure that contractors are licensed for the work they will perform. The guidance below is provided to ensure that all mixed burned debris and ash generated by the disaster will be transported, handled, and managed in a manner that will protect public health and the environment. Proper personal protective equipment, including respiratory protection, should be used by anyone who handles ash or burned debris or who may come into contact with these materials during transport or management.

Storage of Waste Onsite

Mixed burned debris stored onsite prior to transport for disposal shall be managed to prevent offsite migration of ash and dust. This may include wetting and covering the waste. Bins containing debris and/or refuse shall be kept covered and wetted down as necessary. The property owner or contractor shall ensure that ash and dust are contained to the greatest extent possible.

Property owners or contractors should segregate recyclable materials from mixed burned debris and taken to a facility that can accept trees and wood waste, metal, vehicles, appliances, and aggregate material (concrete, etc.). These materials must be cleaned sufficiently of ash and debris at the site to allow safe transportation, as landfill staff may reject loads that appear to be contaminated. If recyclable materials cannot be cleaned of ash and debris, they must be handled and disposed of as mixed burned debris.

Best management practices shall be used to prevent tracking ash and debris into the roadway.

Personal Protective Equipment

Property owners and their contractors should use Personal Protective Equipment (PPE) when handling burned debris and ash (Level C protection). This includes but is not limited to the following:

- Respiratory protection - such as a N-95 or P-100 particulate mask or NIOSH approved respirator
- Eye protection - safety goggles or safety glasses
- Chemical resistant clothing (one-piece coverall, hooded two-piece chemical splash suit, chemical resistant hood and apron, disposable chemical resistant coveralls.)
- Hand protection - heavy work gloves
- Head protection - hard hat, if necessary
- Foot protection - shoes or boots with heavy lug soles
- Clothing - long pants and long-sleeved shirts, Tyvek or similar protective, disposable clothing
- Hearing protection - if working in an area with excessive noise from equipment such as chain saw, backhoes, tractors, or other heavy equipment

General Guidance for Handling or Removal of Ash

- Wear gloves, long sleeved shirts, and long pants and avoid skin contact.
- If you do get ash on your skin, wash it off as soon as possible.
- If you have a vegetable garden or fruit trees, wash the fruit or vegetables thoroughly before eating them.

- Avoid getting ash into the air as much as possible. Do not use leaf blowers or take other actions that will put ash into the air.
- Shop vacuums and other common vacuum cleaners do not filter our small particles, but rather blow such particles out the exhaust into the air where they can be breathed. The use of shop vacuums and other non-HEPA filter vacuums is not recommended. HEPA filter vacuums could be used, if available.
- Well-fitting dust masks may provide some protection during cleanup. A mask rated N-95 or P-100 will be more effective than simpler dust or surgical masks in blocking particles from ash. In general, many ash particles are larger than those found in smoke; thus, wearing a dust mask can significantly reduce (but not completely eliminate) the amount of particles inhaled.
- Persons with heart or lung disease should consult their physician before using masks during post-fire cleanup.
- If ash is wet down, use as little water as possible.

TEMPLATES AND RESOURCE LIST FOR PROPERTY OWNERS, CONTRACTORS, AND CONSULTANTS

The following templates and resource list have been created in order to assist property owners and / or contractors and consultants through the cleanup process. While the templates presented here are optional, it is highly encouraged that the organizational processes outlined are adhered to in order to facilitate an expedient review and approval of work plans and reports such that a property completion certification can be issued.

Work Plans and Reports Checklist/Contents

Please be advised it is the intent of work plans and reports to provide working guidance so 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 caught at the early stages of the project cleanup. With this, submittals made under these guidelines can be abbreviated to the bare necessities in order to achieve cleanup removal and disposal goals. For example, items such as fugitive dust control may be addressed by referencing posted County documents and acknowledging that practices outlined therein will be adhered to.

Included as Appendix A and B to this document, please find general work plan and report format templates that will assist in the timely review of submitted documents.

Templates / Resources Summary

Appendix A Work Plan Checklist/Contents
Appendix B Report Checklist/Contents
Appendix C Solid Waste Disposal Facilities
Appendix D Recycling and Waste Contractor Resource Checklist

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Appendix A

Yolo County Fire Cleanup Workplan

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 LNU Lightning Complex Fire.

Property owners / contractors must submit the Yolo County Wildfire Clean-up Plan Application ("cleanup application") and Work Plan ("work plan") to Yolo County Environmental Health Division for review and approval. 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 cleanup application nor work plan. These property owners must submit a Yolo County Debris Removal Exemption Application ("exemption application") for Environmental Health approval.

Property owners/contractors must complete debris removal and cleanup to the applicable State standards. These standards are established to ensure protection of the public health and environment.

Complete and submit both this work plan and the cleanup application to the Yolo County Environmental Health Division. Applications can be submitted to environmental.health@yolocounty.org, or at 292 West Beamer St, Woodland, CA 95695.

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

1.4 REQUIRED Notifications / Permits
The following notifications will be made and permits obtained:
Underground Service Alert (USA) – Call 811 Dig Alert prior to digging.
Obtain approval of your clean up application and work plan (this document) from: Yolo County Environmental Health Division 292 West Beamer St, Woodland, CA 95695 Phone: (530) 666-8646 Email: environmental.health@yolocounty.org

2.0 Background Site Assessment

2.1 Site Testing and Analysis Plan (Asbestos and Soil)
A certified asbestos consultant and soil consultant will be hired to test the site. Site testing and analysis for asbestos and soil will be addressed in the following manner:

2.2 Foundation Analysis and Plan

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

Property owners have two options:
1. Completely remove and dispose of foundation,
2. If foundation is to remain in place, 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

The first step of debris removal is to identify and remove 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. 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

Hazardous waste and household hazardous waste (HHW) shall be identified and disposed at an approved HHW disposal site. Household hazardous wastes (batteries, propane tanks, paint, gasoline cans, cleaning products, pesticides, fluorescent light bulbs, etc.) must be identified, segregated, and disposed of properly. A certified haz-mat contractor is recommended for handling and disposal of these wastes.
Hazardous Waste Handling and Removal Procedures:
Certified Hazardous Materials/Waste Contractor:
Name: License No.:
Disposal and/or Recycling Facility(s):

Submit disposal documentation to the Yolo County Environmental Health Division.

3.3 Asbestos Removal

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

Asbestos Handling and Removal Procedures
Certified Asbestos Consultant hired to test the site:
Name: License No.:
Asbestos Removal Contractor
Name: License No.:

Asbestos Disposal Facility(s)

3.4 Air Monitoring Protocols for Fugitive Dust Control

Property owners or their contractors must provide water or an approved dust palliative, or both, to prevent a dust nuisance at the site. 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 10-millimeter plastic ("burrito wrap" method). Concrete loads are exempt from a tarp provided the loads are wetted prior to leaving. If concrete loads generate dust, then the loads must be wetted and covered.
- **Control 3:** All waste material that is not unloaded at the end of each workday will be consolidated, sufficiently wetted, and/or covered to prevent the offsite migration of contaminants.
- **Control 4:** All visibly dry disturbed soil surface areas of operation should be watered to minimize dust emissions during performance of work.
- **Control 5:** Speeds must be reduced when driving on unpaved roadways.
- **Control 6:** Procedures will be implemented to prevent or minimize dirt, soil or ash contaminating roadways, neighboring parcels or creating an airborne health hazard.

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

4.0 Debris Removal and Disposal / Recycling

Remove ash, 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 and D 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

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 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.

6.0 Confirmation Sampling

Initial Screening Criteria and protocols have been established in consultation with CalRecycle for soil confirmation sampling after completion of visible cleanup of properties. These are initial health screening criteria in the absence of background data. Testing of metals must be performed by EPA Lab Method 6020. A qualified soil consultant 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.

Attach a sketch showing the ash footprint and anticipated soil sample locations.

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

Initial Health Screening Criteria for Soil		
Analyte	**Health Screening Level mg/Kg**	**Cleanup Level**
Antimony	30	Health Screen
Arsenic	0.07	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 Debris Removal Program Cleanup Completion Certification, along with a Final Report shall be submitted to the Yolo County Environmental Health Division. Information and documentation included in the Final Report will follow the outline provided in Appendix B of the Guidelines, Templates and Resource List for Property Owners, Contractors and Consultants.

7.0 Attachments

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

Appendix B

Final Report Checklist / Contents

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:

A. Site Testing and Analyses, description and summary of results (Asbestos and Soil)
B. Air Monitoring Protocols for Fugitive Dust Implementation
C. Hazardous Waste and Asbestos Removal Documentation, including disposal receipts (if applicable)
D. Debris Removal Documentation, including disposal receipts
E. Soil Grading / Removal to level of visually clean
F. Foundations (Removal or Engineer's Certification for Potential Reuse)
G. Confirmation Sampling Results Discussion
H. Documentation of Appliance and Vehicle Recycling or Disposal
I. 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 Facilities and Hauling Companies

This list is incomplete and other facilities in the region may accept waste, recycling, concrete and asphalt. Any other facility must be approved by Yolo County to accept the material prior to disposal. Owner/contractor shall verify with the landfill to determine any restrictions and requirements.

Facility Name	Facility Address/Phone	Material Accepted
Yolo County Central Landfill	44090 County Road 28H Woodland, CA 95776 Office: 530-666-8852 Scalehouse: 530-666-8727 Waste Acceptance: call office, or email jborrego@yolocounty.org or mjones@yolocounty.org	Burned debris - Ash will require testing C&D debris Concrete/asphalt debris Metals Wood/greenwaste Municipal solid waste *Please check with the facility for tonnage limits and disposal fees*
Recology Hay Road Landfill	6426 Hay Rd Vacaville, CA 95687 (707) 678-4718	Friable & Non-Friable Asbestos Ash/Fire Debris- testing required, Metal/Concrete/Asphalt, Contaminated Soils, C&D Debris, Dead Animals *Please check with the facility for tonnage limits and disposal fees*
Alco Iron & Metal	321 Azuar Drive Vallejo, CA 94592 (707) 562-1107	Scrap Metal *Please contact the facility for materials accepted*
Concrush	5056 Peabody Road Fairfield, CA 94533 (707) 437-1239	Concrete
Go Green Asphalt	5204 N Gate Rd Fairfield, CA 94535 (707) 450-0100	Concrete Asphalt
Jepson Prairie Organics	6426 Hay Rd Vacaville, CA 95687 (707) 464-4181	Green Waste Clean Wood Waste
Recycling Zone	1973 Broadway St Vallejo, CA 94589 (707) 437-1301	Scrap Metal *Please contact the facility for materials accepted*
Recycling Zone	4989 Peabody Rd #B Fairfield CA 94533 (707) 437-1301	Scrap Metal *Please contact the facility for materials accepted*
Syar Industries	885 Lake Herman Road Vallejo, CA 94591 (707) 252-8711	Concrete Asphalt
VacaValley Excavation	2201 E. Monte Vista Ave Vacaville, CA 95688 707-453-1812	Concrete Asphalt

Green Waste includes tree and yard trimmings, untreated wood wastes, natural fiber products, wood waste from silviculture and manufacturing, and construction and demolition wood waste.

C&D Debris are construction and demolition wastes including lumber and wood, gypsum wallboard, glass, metal, roofing material, tile, carpeting and floor coverings, window coverings, plastic pipe, concrete, fully cured asphalt, heating, ventilating, and air conditioning systems and their components, lighting fixtures, appliances, equipment, furnishings, and fixtures

Appendix D
Recycling Resources and Waste Hauling

Asbury Environmental Services 7300 Chevron Way Dixon, CA 95620 707-693-6000	NRC Environmental Services 1605 Ferry Point Alameda, CA 94501 510-749-1390
ATC Associates, Inc. 1117 Lone Palm Ave., 201B Modesto, CA 95351 209-579-2221	Patriot Environmental Services 5025 Arnold Ave., Building #24, Ste. 100 McClellan, CA 95652 916-256-4914
Clean Harbors/Stericycle 4101 Industrial Way Benicia, CA 94510 707-747-6699	Ponder Environmental 4563 E Second St Benicia, CA 94510 707-748-7775
EDD Clark & Associates PO Box 3136 Rohnert Park, CA 94928 707-792-9500	PSC Environmental Services 395 W Channel Rd. Benicia, CA 94510 707-748-3040
Emergency Construction Services, Inc. 2349 N Watney Way, Ste A Fairfield, CA 94533 707-938-2000	Ramos Environmental 1515 South River Rd West Sacramento, CA 95691 916-371-5747
Fremouw Environmental Services 6940 Tremont Rd. Dixon, CA 95620 800-559-3274	Alliance Environmental Service 4191 Stonevalley Ct Chico, CA 95973 530-345-8562 willy@alliancehazmat.com
Clean Harbors Environmental Services, Inc 2550 Del Monte St, Suite 140 West Sacramento, CA 95694 530-520-3620	Dillard Environmental Services 3120 Camino Diablo Byron, CA 94514 925-634-6850 melissar@dillardenv.com
MP Environmental Service, Inc 14312 Cacheville Rd Yolo, CA 95697 530-668-9316	NRC Environmental Services Inc 1111 Marauder St Chico, CA 95973 530-343-5488 or 24-hr: 530-282-3967 cneal@nrcc.com
RAH Environmental Inc 4645 Raley Blvd Sacramento, CA 95838 916-563-7770 info@rahenv.com	Ramos Environmental Services 1515 South River Rd West Sacramento, CA 95691 916-371-5747

Appendix E
Environmental Consultant List

Disclaimer: The Yolo County Division of Environmental Health provides this list of companies as an informational service. This Division and the County accept no responsibility for the performance of the consultants or companies listed and make no representation, either express or implied, regarding their competence or expertise. This is not an exhaustive list of contractors and you are encouraged to reach out to other parties who can provide this service.

ENVIRONMENTAL CONSULTANTS

AEI Consultants 2500 Camino Diablo Walnut Creek, CA 94597 925-746-6000	Cardno 601 N. McDowell Blvd. Petaluma, CA 94954 707-766-2000	Geo-Logic Associates 1300 Clay St., Ste 600 Oakland, CA 94612 800-933-3105
Alisto Engineering 2737 N Main St., #200 Walnut Creek, CA 94597 925-279-5000	Central Valley Environmental, Inc. 9718 Fair Oaks Blvd., Ste C Fair Oaks, CA 95628 916-863-1785	Golder Associates 1000 Enterprise Way, Ste 190 Roseville, CA 95678 916-786-2424
Antea Group 11010 White Rock Rd., Ste 140 Rancho Cordova, CA 95670 800-477-7411	Controlled Environmental Services 50 Sand Creek Rd., Ste. 330 Brentwood, CA 94513 925-625-1736	Grayland Environmental 1807 Valdora St. Davis, CA 95618 530-756-1441
Blankenship and Associates 1590 Drew Ave, Ste 120 Davis, CA 95616 530-757-0941	Cook Environmental Services 1485 Treat Blvd. Walnut Creek, CA 94597 925-787-6869	Ground Zero Analysis 1172 Kansas Ave. Modesto, CA 95351 209-522-4119
Broadbent 1324 Mangrove Ave., Ste 212 Chico, CA 95926 530-566-1400	ECM Group 290 W Channel Rd. Benicia, CA 94510 707-751-0655	JE Compliance Services, Inc. 12505 N. Main St. Ste 212 Rancho Cucomonga, CA 91730 909-483-3300
Brunsing Associates, Inc. P.O. Box 588 Windsor, CA 95492 707-838-3027	EDD Clark & Associates, Inc. P.O. Box 3136 Rohnert Park, CA 94928 707-792-9500	Network Environmental Systems 1141 Sibley St. Folsom, CA 95630 916-353-2360
BSK & Associates 3140 Gold Camp Dr., Ste 160 Rancho Cordova, CA 95670 916-853-9293	Environmental and Geological Solutions 304 Belle Ct El Dorado Hills, CA 95762 916-358-3719	PES Environmental 7665 Redwood Blvd., Ste 200 Novato, CA 94945 415-899-1600

CAL INC 2040 Peabody Rd. Vacaville, CA 95687 707-446-7996	GeoCon, Inc. 2420 Martin Rd., Ste 380 Fairfield, CA 94534 925-337-9533	Phillips Services Corp 395 W Channel Dr. Benicia, CA 94510 800-800-7z472
SHN Consulting Engineers & Geologist 812 W Wabash Ave. Eureka, CA 95501 707-441-8855	Steve Muir Consulting 18826 N Lower Sacramento Rd. Woodbridge, CA 95258 209-601-6694	Stratus Environmental, Inc. 3330 Cameron Park Dr., Ste 550 Cameron Park, CA 95682 530-672-4017
Terracon Consultants 1466 66th St. Emeryville, CA 94606 510-923-1661	Tetra Tech 3101 Zinfandel Dr., Ste 200 Rancho Cordova, CA 95670 916-853-1800	Trident Environmental & Engineering 110 L St., Ste 1 Antioch, CA 94509 925-706-6931
Wallace Kuhl & Associates, Inc. 3050 Industrial Blvd. West Sacramento, CA 95691 916-372-1434	Youngdahl & Associates, Inc. 1234 Glenhaven Ct. El Dorado Hills, CA 95762 916-933-0633	

Appendix F

Laboratories for Ash Testing

Ash must be tested prior to disposal at the landfill. Yolo County Central Landfill (YCCL) requires ash to be tested for CAM17 metals, TPH gas, diesel, motor oil.

Note: These laboratories may also be used for soil testing. Contact the lab to verify they can test for all metals listed for soil testing.

Disclaimer: YCCL provides this list of laboratories as an informational service. YCCL and the County accept no responsibility for the performance of the laboratories listed and make no representation, either express or implied, regarding their competence or expertise. This is not an exhaustive list of laboratories and you are encouraged to reach out to other parties who can provide this service. Any laboratory used must be part of the State accreditation program (ELAP).

BC Laboratories 4100 Atlas Court Bakersfield, CA 93308 www.bclabs.com 800-878-4911	Sequoia Analytical Labs 1615 Del Paso Blvd Sacramento, CA 95815 916-920-4009
Twining Laboratories 5676 Power Inn Rd Sacramento, CA 95824 916-381-9477	California Laboratory Services Environmental Chemistry- Soil and Water Testing 3249 Fitzgerald Road Rancho Cordova, CA 95742 8000-638-7301
Pace Analytical/ESC Davis Laboratory 2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800	McCampbell Analytical, Inc 1534 Willow Pass Road Pittsburg, CA 94565 877-252-9262