

ATTACHMENT D  
Hudspeth Bid Proposal



**RFP No 19-03  
Response Proposal  
Dinsmore Property Nuisance Abatement**

Presented to

**County of  
Humboldt**



**February 28, 2020**



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## Introduction

Hudspeth and Associates (Hudspeth) welcomes the County's invitation to offer abatement services. Our proposal and bid price is in response to the County's RFP –No. 19-03 Dinsmore Property Nuisance Abatement located off of Highway 36 within the unincorporated community of Dinsmore.

It is the purpose of this proposal to explain who we are, why we are qualified to do this work and how we will accomplish the requested work scope. Accordingly, we will provide a detailed and comprehensive abatement plan that will address the three main aspects of the requested work.

1. The complete removal and proper off site disposition of junk vehicles, vehicle components including nonmetal parts such as tires, wiring, plastics and upholstery, boats and related marine equipment, appliances and miscellaneous scrap metal and debris.
2. The proper management and disposition of hazardous or regulated liquid and solid wastes.
3. Identification, characterization and proper removal and off site disposition of contaminated soils required under State and Federal Regulation.

In effect - to render the property in an aesthetically restored and safe state free of encumbrances.

## About Hudspeth and Associates

Hudspeth (a subsidiary of ASRC Industrial) has been providing exceptional environmental services to private and public entities for over 25 years. Our services range from property improvements including Brownfield and remedial cleanups to facility re-purposing, specialty decontamination and abatement.

Hudspeth is a Minority Business Enterprise (MBE) headquartered out of Denver, Colorado. Our specialty environmental services group is located in Walnut Creek, California with additional resources and response capabilities located throughout the US western intermountain region.

## Site Remediation and Restoration Experience

With respect to our experience in site remediation of this nature has completed dozens of similar projects. More importantly Hudspeth's project management staff who will be managing this project have successfully remediated hundreds of scrap yards, abandoned properties and industrial sites requiring the disassembly, decontamination, and removal of vehicles, process equipment and contaminated sites. These environmental cleanups have ranged from industrial yards as large as 150 acres to illegal hazardous dump sites containing PCB's asbestos, heavy metals and a wide range of multitude of volatile and semi-volatile compounds and petroleum hydrocarbons.



## Safety

First and foremost is the health and safety for all our workers and the general public. Hudspeth takes the individual safety and well-being of our employees, our sub-contractors and each of our customer's very seriously and is the most important consideration in everything we do.

Secondly, is our ability to dedicate appropriate key management, manpower, equipment and materials in the most efficient manner insuring the most accurate and cost efficient allocation of resources when and where they are needed.

Finally, but no less important is our understanding and ability to work collaboratively as a team with our customers, engineers, consultants, sub-contractors, vendors and regulatory agencies.

We look forward to working with the County of Humboldt and believe that the overall experience and breadth of skill sets we bring to the table will result in the county receiving the highest quality of service for the best price our industry has to offer.

Sincerely,



Mr. David Martin  
Director of West Coast Operations



Cell: [925.234.8824](tel:925.234.8824)

Web: [www.hudspethinc.com](http://www.hudspethinc.com)



## Abatement Plan

The following abatement plan summary highlights specific tasks and methodologies to be applied specific for this project. Tasks and activities are presented in general chronological order with certain tasks or activities occurring simultaneously. A more detailed work plan will be presented after contractor selection.

Abatement Phase	Task/Activity	
<b>Site Set Up</b>	<b>Temporary facilities</b> To include command trailer, parking, communication, first aid and firefighting equipment	
	<b>Laydown area</b> Equipment and material staging areas	
	<b>Site traffic routing</b> Minimal disturbance based site equipment pathways established throughout the site for ease in transporting large parts and pick up of small debris.	
	<b>Vehicle waste extraction pad placements</b> <ul style="list-style-type: none"> <li>• Containment pad placements are designed for vehicle liquid extraction and collection</li> <li>• Vehicles will be lifted in place or moved to a safe location and set over prepared extraction pads using forklifts or excavator for extracting coolants, engine and transmission oils, brake fluids and fuel into compatible DOT approved containers.</li> </ul>	
	<b>Waste consolidation and storage area</b> Centralized 100% containment pad for the staging of hazardous and recyclable liquids	
	<b>Spill prevention controls “SWPPP”</b> <ul style="list-style-type: none"> <li>• Ballast imported for site traffic.</li> <li>• Erosion control systems including silt fencing (as needed), berming, wattles and spill equipment.</li> </ul>	
<b>Vehicle, Appliance and hazardous materials Identification</b>	<b>Site canvassing and Inventory development</b> <ul style="list-style-type: none"> <li>• Investigation of various hazardous waste streams to include but limited to lead acid batteries and other universal waste types, motor oil containers, antifreeze, paints and unlabeled containers.</li> <li>• Use of an inventory control sheet to record individual vehicles with VIN numbers or plates; non DMV regulated vehicle components along with boats and appliances and how each will be managed. Inventory list to be made part of final project documentation record.</li> </ul>	
	<b>Vehicle proximity waste extraction</b> <ul style="list-style-type: none"> <li>• Localized vehicle fluids and waste removal and containerization processing</li> </ul>	



	<ul style="list-style-type: none"> <li>Removed fluids and batteries containerized and moved to waste container consolidation and storage area</li> </ul>	
	<p><b>Appliance transfer and staging</b> Appliances still containing CFCs will be moved to the central waste staging area for EPA certified extraction and ultimate recycling. Remaining appliances to be consolidated into temporary piles for bulk collection and offsite salvage.</p>	
<b>Dispositions</b>	<p><b>Vehicles for pickup</b></p> <ul style="list-style-type: none"> <li>Vehicles with VINs and cleared for removal in-place or staged at proximity location for third party licensed hauler for salvage.</li> <li>Non VIN vehicles suitable for direct salvage to be staged for bulk loading to local salvage.</li> </ul>	
	<p><b>Appliances</b> Appliances to be bulked and loaded on box van for individual unit recycling/salvage</p>	
	<p><b>Scrap Metal</b> Scrap metals to be grouped and loaded into drop box/bin for recycling</p>	
	<p><b>Misc. non-metal debris</b> Non-metal debris such as pallets, plastics, hoses, and other debris to be grouped and loaded into drop box/bin for recycling</p>	
<b>Waste and Site Characterization</b>	<p><b>Sampling plan</b></p> <ul style="list-style-type: none"> <li>based on EPA 846, sampling guidelines will be developed and implemented for waste and soil characterization.</li> <li>Waste containers to be characterized for purposes of proper off site recycling or EPA approved disposal</li> <li>Soil sampling grid to be established along with specific areas showing visual contamination.</li> <li>Sampling parameters to include CAM 17, PCB and TPH along with BETX (as appropriate)</li> </ul>	
<b>Containerized Waste</b>	<p><b>Waste Containers</b> Hazardous waste containers having been properly characterized will be labeled, profiled and manifested for offsite transportation by a licensed transporter for EPA approved disposal Nonhazardous waste containers to be labeled and shipped off site on Bills of lading for recycling or proper disposal</p>	
<b>Soil Remediation</b>	<p><b>Excavations</b> Soils found to be impacted will be removed, stockpiled, profiled and loaded on licensed transport for proposal disposal to Subtitle D or C landfills.</p>	
<b>Restoration</b>	<b>Backfilling and re-contouring</b>	



	Backfilling (If necessary) will consist of certified clean impacted soils and re-contoured to insure minimal erosion. Erosion control measures will be maintained as needed	
<b>Recordkeeping</b>	<p><b>Project Documentation</b></p> <p>Project documentation to be submitted to the County after completion of work will consist of</p> <ul style="list-style-type: none"> <li>• Daily project activity logs</li> <li>• Daily safety tailgate logs</li> <li>• Sampling and testing data</li> <li>• Scrap vehicle disposition tracking logs</li> <li>• Scrap metal recycling logs</li> <li>• Waste container manifests and BOLs</li> <li>• Waste disposal certifications</li> </ul>	

### Deliverables

The following written plans, procedures and protocols will be submitted to the County prior to commencement of work. These documents and completed daily logs will be submitted to the county as part of the project documentation record

- Certificate of Insurance
- Task Schedule
- Site Specific Health and Safety Plan
- Employ Training and Certifications
- Chemical SDS Information Statement
- PTP (Pre-Task Plan or Daily Work Plan)
- Air Monitoring Plan
- Cut and Laceration Program
- Decontamination Procedures
- Emergency Notification Procedures
- Ergonomics and Musculoskeletal Protection Plan
- Fire Prevention Plan
- Fall Prevention Plan
- Heat Stress Plan
- Incident and Reporting Plan
- Motorized Truck Use Plan
- Project Signage
- Slip/Trip/Fall Prevention Plan
- Traffic Routing Plan
- Waste Management Plan





## Health, Safety and Environmental Plan

The Hudspeth Site Specific Health, Safety and Environmental Plan (HSE) will be issued to the County for approval prior to commencement of work. The Hudspeth HSE will address the following topics

- General site information
- Worker training and qualifications
- Emergency procedures and contact notification tree
- Standard safety policies and safe practices specific to the project
- Daily safety meetings and work permit procedures
- Work zone descriptions
- Worker PPE criteria based on type of work
- Fall protection measures

## Reporting Types/Frequency

Reports produced by Hudspeth will include

Safety Tailgate Meeting Log	Daily	Hudspeth Supervisor	Shared
Pre Task Plan (PTP)	Daily	Hudspeth Supervisor	Shared
Material Inventory Log	Daily	Hudspeth Supervisor	Project Record
Incident Report	Daily	Hudspeth Project Manager	Shared
Work Permits (Hot) Etc...	Daily	Hudspeth Supervisor	Shared
Lock Out Tag Out Inspection	Daily	Hudspeth Supervisor	Shared
Daily activity Report	Daily	Hudspeth Project Manager	Project Record
Progress Report	Weekly	Hudspeth Project Manager	Shared

## Meeting Types/Frequency

Project safety and task meetings conducted by Hudspeth project staff will include

Safety Tailgate Meeting	Daily	Hudspeth Employees	Shared
Daily White Board	Daily	Hudspeth Supervisor and PM	Shared
Weekly White Board	Weekly	Hudspeth Supervisor and PM	Project Record



## Change Management

Changes to scope or schedule may be the result of discovery by with the customer or Hudspeth not previously addressed or identified during project assessment. Changes to scope or schedule may also be a result of changes to site conditions, access to work, product or planned methodology failure or events not under the control of one or more parties.

In the event of a change in either the scope of work or schedule necessitated by the customer, Hudspeth will provide the appropriate change request in writing prior to commencement of change. Change request may or may not require modification in price or expenditures.

In the event of a change in either scope of work or schedule necessitated by Hudspeth, the Hudspeth project manager will submit a written change request to the County prior to change to include rationales for change along with and the extend of modification to price or schedule.

Any and all changes to scope or schedule will be recorded and make part of the project record.

## Close Out/Hand Over

Close out will entail final inspections of work, housekeeping inspections and removal of Hudspeth owned materials and equipment.

Handover of all hard copy and electronic project records from Hudspeth will occur immediately after County has communicated satisfaction of completeness of work and service performance.



## Project Experience

Hudspeth is providing the following selected project history similar to or relevant to the County’s requested scope of work.

These projects are most appropriate in that they were successfully completed by those who (if selected) will be dedicated to this project.



Baker Auto	American Canyon, CA
<p>Project included the identification, consolidation and disposition of over 200 junk vehicles and associated parts from a private 11-acre site.</p> <ol style="list-style-type: none"> <li>1. Removal, containerization, and lawful offsite disposal/recycling of engine, radiator, fuel tank and brake fluids.</li> <li>2. Sampling planning, collection and testing of impacted property soils.</li> <li>3. Remediation of characterized soils.</li> <li>4. Offsite disposal of regulated solid wastes.</li> <li>5. Site re-contouring and restoration.</li> </ol> <p>Project was completed within customer’s requested schedule and under budgetary requirements</p>	
Gateway Shooting Range	Newark, CA
<p>Project included the identification and remediation of contaminated soils and the consolidation and disposition of dozens of vehicles, tractors, machinery and equipment for salvage.</p> <ol style="list-style-type: none"> <li>1. Removal of underground tanks and containerization, and lawful offsite disposal/recycling of engine, radiator, fuel tank and brake fluids.</li> <li>2. Sampling planning, collection and testing of impacted property soils.</li> <li>3. Remediation of characterized soils.</li> <li>4. Offsite disposal of regulated solid wastes.</li> <li>5. Site re-contouring and restoration.</li> </ol> <p>Project was completed within customer’s requested schedule and under budgetary requirements</p>	
Sharon Steel	Sandy, UT
<p>Project included the dismantling of the Sharon steel mill entailing the separation of over 5000 tons of machinery, pumps, process equipment and bulk steel for recycling and salvage.</p> <ol style="list-style-type: none"> <li>1. Removal of machinery oils, coolants, lubricants and grease.</li> <li>2. Separation of universal waste including mercury and heavy metals for EPA approved offsite disposal.</li> <li>3. Characterization and remediation of contaminated soils.</li> </ol> <p>Project was completed within customer’s requested schedule and under budgetary requirements</p>	



<b>Union Pacific Property Clean Up</b>	<b>Antioch, CA</b>
<p>Project included the removal of multiple transient campsite removal of abandoned vehicles, appliances, scrap materials, debris and solid and sanitary wastes.</p> <ol style="list-style-type: none"> <li>1. Over 30 vehicles and hundreds of various types of used or broken down appliances were collected and shipped off site for salvage.</li> <li>2. Collection containerization, and lawful offsite disposal/recycling CFC's, waste oils, sharps and bio-waste.</li> <li>3. Sampling planning, collection and testing of impacted property soils.</li> <li>4. Remediation and disposal of TPH impacted soils.</li> </ol> <p>Project was completed within customer's requested schedule and under budgetary requirements</p>	
<b>Lennar Development Facility Demo and Salvage</b>	<b>Oakland, CA</b>
<p>Project included the identification and remediation of TPH impacted soils, abandoned PGE gas lines and the consolidation and disposition of 15 vehicles and facility process equipment including dozens of appliances and HVAC systems for salvage</p> <ol style="list-style-type: none"> <li>1. Removal of 9 underground tanks and containerization, and lawful offsite disposal/recycling CFC's, fuel and a wide variety of small appliances.</li> <li>2. Sampling planning, collection and testing of impacted property soils.</li> <li>3. Remediation of characterized soils.</li> <li>4. Offsite disposal of regulated solid wastes.</li> </ol> <p>Project was completed within customer's requested schedule and under budgetary requirements</p>	
<b>Pacific Hide and Fur</b>	<b>Pocatello, ID</b>
<p>Project included the identification, consolidation and disposition of over 15,000 yards of various metal scrap materials ranging from electrical transformers, high tension cables, mechanical process equipment, and various vehicle chassis recovered from a 150-acre abandoned industrial scrap yard.</p> <ol style="list-style-type: none"> <li>1. Removal of bulk PCB liquids and related petroleum by-products.</li> <li>2. Decontamination of PCB impacted metallic materials.</li> <li>3. Offsite transportation and proper disposal of PCB and lead waste.</li> <li>4. Site restoration and re-vegetation.</li> </ol> <p>Project was completed within customer's requested schedule and under budgetary requirements</p>	



## Staff Experience

### Brian Biss/ Supervisor

Mr. Biss has over 30 years of hands-on environmental project experience serving in various capacities including senior project supervisor, site superintendent, lead foreman, lead equipment operator and chemical waste technician. During his tenure, Mr. Biss established himself as a foremost expert in field wastewater treatment processing and project QA/QC implementation and control.

Brian Biss serves as Hudspeth's senior remediation project supervisor. For the past three years Mr. Biss has successfully supervised over forty remedial projects over \$50,000 and ranging from scrap yard clean up, facility demolitions, tank removals, soil excavations, process system teardowns, chemical handling and waste container disposal

### Industry Highlights

Mr. Biss recently completed a \$1.1 million chemical exhaust system teardown project for Sunpower in Hillsboro, Oregon entailing the dismantling, decontamination and salvage of over 5 linear miles of stainless steel acid exhaust ducting and associated wet scrubber systems.

Mr. Biss served as senior wastewater treatment specialist for Patriot Environmental Services as well as industrial cleaning and drill mud management. Mr. Biss oversaw various high profile demolition projects, chemical lab packing, and large scale petroleum tank farm improvements for several oil refineries in the Bay area.

Prior to working for Patriot, Mr. Biss served as Southern Division project manager for Green Compass Environmental Services out of Oxnard, CA. Mr. Biss directed horizontal and directional drilling projects at Camp Pendleton and managed Occidental's off shore platform waste drilling fluid management program.

Mr. Biss prior work history included Parson Engineering out of Pasadena, CA; Sturgeon Environmental and Wolf Excavation and Environmental Control Service based out of Salt Lake City, UT.

### Education and Training

- USMC engineering School Quantico, VA
- Hazardous Communication School, Ft. Leonardwood, MO
- OSHA 40 Hour HAZWOPER Certified
- Cat 10 Certified
- Hazardous Waste Site Supervisor Certified
- HUD Lead Abatement Certified
- Confined Space Entry/Rescue Certified
- Excavation Competent Person Certified
- CPR / First Aid / Blood Borne Pathogen Certified
- PEC SafeLand Certified
- NRC Radiation Survey Certified



## Matthew Dunn/Safety and Environmental Compliance

Mr. Dunn brings a unique and diverse skill set acquired from over three decades serving in a wide variety of manufacturing, industrial safety and environmental compliance roles.

Mr. Dunn has over 37 years of “Hands On” experience in negotiating, planning then managing large scale environmental and commercial improvement projects. Throughout his tenure, Mr. Dunn has perfected the prerequisite skills needed to manage and oversee large scale complex or technically challenging assignments ranging from superfund clean ups to designing and implementing a wide variety of innovative commercial service ventures.

Mr. Dunn is a recognized expert in the field of environmental regulations having served as Corporate Regulatory Affairs and Safety Officer for several major environmental firms and as a court appointed expert witness on a variety of environmental issues.

As an OSHA approved worker safety training instructor, Mr. Dunn provides industrial safety and compliance training courses for customers throughout the Western United States. Mr. Dunn has authored numerous technical white papers, environmental compliance policies and hi-tech process protocols.

### Education and Training

- EPA sponsored Level III certification in the Operation of Waste Water Treatment Plants, California State University – Sacramento, CA
- Geology, University of Nevada, Reno, NV.
- Mechanical Engineering School, USCG - Yorktown, Virginia
- Atlantic Sealift Command Fire Fighting School – San Francisco, CA
- EPA Pollution Control and Compliance School, American Electroplaters Society, Colorado Springs, Colorado
- Hazardous Substance Sampling Methodology Program, Mt. Hood Community College, Portland, Oregon

### Field Certifications

- OSHA 40 Hour HAZWOPER Certified
- EPA Pollution Control
- Hazardous Waste Site Supervisor Certified
- HUD Lead Abatement Certified
- Confined Space Entry/Rescue Certified
- Excavation Competent Person Certified
- CPR / First Aid / Blood Borne Pathogen Certified
- PEC SafeLand Certified
- NRC Radiation Survey Certified



## Jim Martin/Project Manager

A 28-year career advancing from a site superintendent and demolition competent person to a service-disabled veteran business owner. Supervised approximately 100 large environmental remediation/demolition projects that range from marine pier demolition, large concrete and/or metal multi-story buildings (up to 20-stories high), to refinery decontamination/demolition projects and numerous environmental excavation projects, as well as numerous small projects. The work performed displays a diverse background of experiences to draw upon to successfully execute projects.

A solid foundation of various demolition/excavation projects ranging encompassing wooden, steel, and concrete structures including subsurface and underwater structures; performing crane work, shear work, torch work; handling fluid chemicals (e.g., tapping, draining, and characterizing); waste profiling; surgical excavations (e.g., radiologic-impacted materials; fiber optic lines and nerve gas impacted areas); as well as mass excavations contaminated with a wide range of chemicals. Participated and directed the activities of numerous emergency response projects at Superfund sites, oil and other chemical spills, and train derailments, as well as large fire cleanups.

### Employment History

- Hudspeth, Inc., 2018 - Present
- Patriot Environmental Services, 2015 – 2018
- Owner, Sequoia Construction & Development, Inc, 2006 – 2014
- Site Superintendent, Nielson Construction, Napa, California, 2004 – 2005
- Site Superintendent, Shaw Environmental, 2002 – 2004
- Site Superintendent, IT Corporation, 1996 – 2002
- Site Foreman, Smith Environmental/Reidel Environmental Services, 1992 – 1996

### Training/Continuing Education

- Competent Person - Excavation and Shoring
- Radiation Safety Worker
- OSHA 40-Hour Hazardous Waste Worker & Emergency Response Worker Certification and 8-Hour Annual Refresher Course, Current
- 40 Hour OSHA Hazardous Waste Supervisor Training
- Lead-based Paint Abatement Supervisor and Monitoring Training
- Practices and Procedures in Asbestos Control/Supervisor

### Registrations/Licenses

Contractor's State License: Class A General Engineering, Class C21 Building Moving, Demolition, Class C12 Paving and Grading, Hazardous Substances Removal Certification; Number 880332; California

### Military History

- U.S. Army, Infantry, 1985 - 1989
- **Service-Disabled Veteran**



# Schedule

Activity	Week One				Week Two				Week Three				Week Four				Week Five					
Site Mob	█	█																				
Facilities Set Up	█	█	█																			
Clearing			█	█																		
Traffic Rounting Develop				█	█																	
Inventory/Sorting				█	█	█	█															
Container Waste Collection					█	█																
Appliance Collection					█	█																
Vehicle Draining					█	█	█	█	█	█	█	█										
Metal Scrap Sorting/ Dispensing					█	█	█	█	█	█	█	█										
Debris Sorting and Dispensing					█	█	█	█	█	█	█	█										
Vehicle Off Site Removal										█	█	█	█	█	█	█						
Appliance CFC Removal																						
Scrap Metal Off Site Recycling																						
Debris Off Site Disposal																						
Container Waste Disposal																						
Site Soil Sampling																						
Small impacted Soil Removal																						
Restorations																						
Contingent Soil Remediation																						
Contingent Restorations																						
Contingent Soil Disposal																						
Demob																						

Contingent if high volume of soil is impacted





## Rates

Personnel					
Title		ST	OT	DT	
Senior Project Manager		150.00	225.00	300.00	
Project Manager		125.00	187.50	250.00	
Chemist / Industrial Hygenist / Waste Manager		125.00	187.50	250.00	
Health & Safety Officer		100.00	150.00	200.00	
Assistant Project Manager		100.00	150.00	200.00	
Supervisor/Superintendent		85.00	127.50	170.00	
Hazardous Material Technician		65.00	97.50	130.00	
Site Foreman		75.00	112.50	150.00	
Confined Space Rescue Technician		65.00	97.50	130.00	
Equipment Operator		75.00	112.50	150.00	
Truck Driver		60.00	90.00	120.00	
Technician		55.00	82.50	110.00	
Project Administrator		50.00	75.00	100.00	
Equipment					
H&A Owned Equipment Rates	Size	Rates	Daily	Weekly	Monthly
Water Trucks	2000 gallon	75.00	600.00	1,800.00	5,400.00
Water Trucks	4000 gallon	95.00	760.00	2,280.00	6,840.00
Excavator	up to 45,000 lbs	125.00	1,000.00	3,000.00	9,000.00
Excavator	45,000 lbs up	210.00	1,680.00	5,040.00	15,120.00
Excavator Attachment/ Breaker	Up To 6500LB	135.00	1,080.00	3,240.00	9,720.00
Excavator, Mini	less than 9Klbs	75.00	600.00	1,800.00	5,400.00
Loader, 3 Yard Bucket	JD544	150.00	1,200.00	3,600.00	10,800.00
Loader, 5 Yard Bucket	JD644	175.00	1,400.00	4,200.00	12,600.00
Generator	20 KW	50.00	400.00	1,200.00	3,600.00
Generator	2-6 KW	30.00	240.00	720.00	2,160.00



H&A Owned Equipment Rates	Size	Rates	Daily	Weekly	Monthly
Skid Steer/ Wheel up to 2300LB	60hp	65.00	520.00	1,560.00	4,680.00
Skid Steer/ Track Loader 2800 LB & UP	60hp	75.00	600.00	1,800.00	5,400.00
Skid Steer Loader Attachment		18.75	150.00	450.00	1,350.00
Backhoe Loader	various	95.00	760.00	2,280.00	6,840.00
Backhoe Attachment		27.50	220.00	660.00	1,980.00
Skip Loader, JD210		60.00	480.00	1,440.00	4,320.00
Heavy Equipment Mob (based on Type and Distance)	TBD		-	-	-
Forklift's	6k-10k	35.00	280.00	840.00	2,520.00
CART UTV 2 passenger	off road	50.00	400.00	1,200.00	3,600.00
CART UTV 4 passenger	off road	60.00	480.00	1,440.00	4,320.00
Site Truck	3/4 ton crew	20.00	160.00	480.00	1,440.00
Management Vehicle	1/2 ton	20.00	160.00	480.00	1,440.00
Passenger Van	15 passenger	28.00	224.00	672.00	2,016.00
Dump Truck	5 yd	95.00	760.00	2,280.00	6,840.00
Dump Truck	12-14 yd	95.00	760.00	2,280.00	6,840.00
Heavy Duty Tractor		40.00	320.00	960.00	2,880.00
Guzzler/Air Mover Unit		150.00	1,200.00	3,600.00	10,800.00
End Dump, Operated		110.00	880.00	2,640.00	7,920.00
Air Compressor	100-385 CFM	40.62	324.96	974.88	2,924.64
Pressure Washer, 3,000 PSI	Single Unit	40.00	320.00	960.00	2,880.00
Pressure Washer, 3,000 PSI	Double Unit	55.00	440.00	1,320.00	3,960.00
HEPA Vacuum	800 hsp	81.25	650.00	1,950.00	5,850.00
Chain Saw		6.87	54.96	164.88	494.64
Sawzall		9.37	74.96	224.88	674.64
Weed Wacker		8.12	64.96	194.88	584.64
Hand Tools (rake, shovel, broom, squeegee, scraper)		1.25	10.00	30.00	90.00
Demolition Torch/ Includes Fuel		40.62	324.96	974.88	2,924.64
Cut-Off Saw/ First Blade Included		15.62	124.96	374.88	1,124.64
Jackhammer	60LB	28.12	224.96	674.88	2,024.64



<b>H&amp;A Owned Equipment Rates</b>					
	<b>Size</b>	<b>Rates</b>	<b>Daily</b>	<b>Weekly</b>	<b>Monthly</b>
Trash Pump	2"	27.50	220.00	660.00	1,980.00
Trash Pump	3"	31.25	250.00	750.00	2,250.00
Trash Pump	4"	40.62	324.96	974.88	2,924.64
Roll-Off bin	10-40 cu. Yd	3.12	24.96	74.88	224.64
Radio, UHF or VHF		6.25	50.00	150.00	450.00
Full Face Respirator		4.37	34.96	104.88	314.64
Trencher W/B	36"	35.00	280.00	840.00	2,520.00
<b>Safety Equipment</b>					
		<b>Rates</b>	<b>Daily</b>	<b>Weekly</b>	<b>Monthly</b>
Personal Pump's	Each		140.00		
LEL/O2/H2S/CO Meter	Each		225.00		
LEL/O2/H2S/CO PID Meter	Each		250.00		
Traffic Control, Arrow Board	Each		325.00		
Traffic Control, Reflective Signs	Each		50.00		
Traffic Cones/Delineators	Each		6.00		
Barricades	Each		8.00		
<b>Waste Transportation and Disposal</b>					
		<b>Rates</b>			
55 gallon DOT container Flammable/Combustible **Transportation not included**	Each	125.00			
55 gallon DOT container Hazardous Solid for Landfill **Transportation not included**	Each	105.00			
55 gallon DOT container Non Hazardous for Landfill **Transportation not included**	Each	95.00			
1 Yard Tote Hazardous for Landfill	Each	TBD			
1 Yard Tote Non Hazardous for Landfill	Each	TBD			
<b>Sampling and Testing</b>					
		<b>Rates</b>			
TPH/PCB/Cam 17					



<b>Misc. Material, PPE, Lodging, Per Diem, ODC, Rental Equipment, Subcontractor and Travel Rates</b>
Materials will be charged at cost plus 20%
PPE (gas detection, respirator, air line work) cost plus 20%
Lodging will be charged at \$160.00 per man per day
Per Diem will be charged at \$50.00 per man per day
Other direct charges (i.e. disposal & fuel) will be billed at cost plus 20%
Rental equipment will be billed at cost plus 20%
Subcontracted trades will be charged at cost plus 20%
Travel expenses will be charged at cost plus 20%

<b>General Notes</b>
All T&M/Hourly work requires a (4) four hour minimum crew charge
Mobilization/De-Mobilization will be charged hourly based on the rate of the mobilized transport equipment.
Straight Time - Monday through Friday from 0700-1500, including chargeable 1/2 hour meal break.
Overtime - All other hours Monday through Friday (up to 12 consecutive working hours) and the 1st 8 hours on Saturday.
Premium Time - After 12 consecutive working hours Monday through Friday, all subsequent hours on Saturday and all hours on Sunday & Holidays.
Billing Rate in effect until a minimum 6 hour break is provided.
Rate categories apply to personnel working during specified time of day regardless of the number of hours worked for the Client on that particular day.
Rental Equipment will be charged at the Rental Rate plus operator's wages plus fuel, oil, grease, maintenance, overhead and profit.



## Cost Estimate

**Cost Estimate is US \$307,576.99.**

### Estimate Rationale

This estimate is based on addressing all of the terms and conditions of the project agreement with the understanding that contamination found present in subsurface property soils will likely involve additional costs.

Hudspeth has included soil screening and property characterization as part of its cost estimate and will provide a report and any estimated of cost for further remediation should additional cleanup be required.

### Container Waste Volumes and Types

This estimate is also based on Hudspeth's initial assessment on the weights and volumes of the various waste streams associated with sites of this nature. Hudspeth has provided in its estimate what would be anticipated given the number of vehicles and state of disassembly; the number and size of waste containers observed on the property and debris piles that may likely contain hazardous materials or substances.

### Assumptions

- This estimate is based on the prevailing wage determination for Humboldt County.
- Assumed 300 gallon of motor oil, 110 gallons of anti-freeze, 250 gallons of gasoline/diesel and 110 gallon of hydraulic oil will be generated.
- Assumed 500 tires to be recycled/disposed.
- Assume an 8-hour work shift, Monday thru Friday.
- Cost estimate is for soil sampling only, no excavation or soil haul included.

