

CHEROKEE COUNTY-WACO SUBSITE QUALITY ASSURANCE SURVEILLANCE PLAN

TASK	PERFORMANCE STANDARD	ALLOWABLE DEVIATION	SURVEILLANCE METHOD	AMOUNT OF INCENTIVE/ DISINCENTIVE
Task 1: Source material removal.	Areas are excavated to: 400 parts per million (ppm) lead, 10 ppm cadmium, and 1,200 ppm zinc.	No deviation is allowed	On-site surveillance by PO or designee and confirmed by sampling	None
Task 2: Source material transport, disposal, and consolidation.	Subsidence pits are filled and wastes disposed of as specified in the design.	No deviation is allowed	On-site surveillance by PO or designee	None
Task 3 Source material capping.	Cap consists of 1.5 feet of clay/top soil in accordance with the design.	No deviation is allowed	On-site surveillance by PO or designee	None
Task 4: Erosion controls.	Erosion control measures are in place as specified in the design.	No deviation is allowed	On-site surveillance by PO or designee	None
Task 5: Re-grading.	Final grades and profiles are as specified in the design.	No deviation is allowed	On-site surveillance by PO or designee	None
Task 6: Re-vegetation.	No areas larger than 5 square feet are left bare and seed mixture utilized is as specified in the design.	No deviation is allowed	On-site surveillance by PO or designee	None
Task 7: Photography/Video	Photographs and videos are clear and accurate portrayals of the before and after condition of the site.	No deviation is allowed	PO review of photographs and videos	None
Task 8: Mine Shaft, Vent Pipe, and Well Abandonment	All mine shafts, vent pipes, and wells are properly abandoned	No deviation is allowed	On-site surveillance by PO or designee	None
Diesel Chemical and Particulate Emissions Negative Incentive	Diesel chemical and particulate emissions are reduced during construction through retro-fitting of equipment, or by using alternative fuels such as bio-diesel for 100% of diesel-powered equipment, and using idle-reduction practices for all diesel equipment.	50% of diesel-powered equipment is retrofitted with emission control devices, no deviation for diesel-powered equipment utilizing alternate fuel such as bio-diesel. No deviation for use of idle-reduction practices for all diesel equipment.	On-site surveillance by PO or designee and review of monthly Diesel Chemical and Particulate Emissions Report	An amount equal to 1% of the project price will be withheld if at least 50% of diesel-powered equipment is not retrofitted with emission control devices, or if 100% of diesel powered equipment does not utilize alternative fuel such as bio-diesel, or if idle-reduction practices are not utilized for all diesel equipment. (See **)
Local Buy Incentive	(a) Expenditures of 50% or greater than the project price (b) Expenditures of 40-49% but less than 50% of the project price (c) Expenditures of 30-39% but less than 40% of the project price (d) Expenditures of 20-29% but less than 30% of the project price		PO review of supporting documentation	(a) 100% of the funding pool (b) 75% of the funding pool (c) 50% of the funding pool (d) 25% of the funding pool

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<p>NOTE: Funding pool is equal to 2.5% of the project price. Only EPA approved expenditures will be considered "allowable expenditures for the purpose of the Local Buy Incentive.</p>	<p>The following are considered eligible expenditures: Subcontracts awarded to SB firms headquartered or located in the impacted local community; hiring laborers who are residents of the impacted local community; purchase of other goods & services from SB vendors located within the impacted community.</p>		
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**The following information is provided to assist the contractor with achieving the 50% requirement of diesel-powered equipment retro-fitting or utilizing alternative fuel such as bio-diesel on 100% of diesel-powered equipment, and using idle-reduction practices on all diesel equipment. The intent is for the Contractor to select one of the following two options, 50% retro-fitting or 100% alternate fuel use, in addition to no-idle practices for all equipment.

50% Retro-fitting Option:

A total of 50% of all Contractor and Sub-Contractor diesel-powered construction equipment with engine horsepower (HP) ratings of 60 HP and above, which is used on the project for a period in excess of 30 days, shall be retrofitted with Emission Control Devices in order to reduce diesel emissions. In addition, all motor vehicles and construction equipment shall comply with all pertinent local, state and federal regulations covering exhaust emission control and safety. The reduction of emissions of volatile organic compounds (VOCs), carbon monoxide (CO), and particulate matter (PM) from diesel-powered equipment shall be accomplished by installing Retrofit Emission Control Devices under this option.

The acceptable Retrofit Emission Control Devices for the project shall consist of oxidation catalysts that (1) are included on the Environmental Protection Agency (EPA) *Verified Retrofit Technology List*; and (2) are verified by EPA or certified by the manufacturer to provide a minimum emissions reduction of 42 percent for VOCs, 31 percent for CO, and 20 percent for PM.

Construction shall not proceed until the Contractor has submitted a certified list of the non-road diesel-powered construction equipment that will be retro-fitted with emission control devices. The list shall include (1) the equipment number, type, make, and Contractor/Sub-Contractor; and (2) the emission control device make, model, and EPA verification number. This information, in addition to the amount of equipment usage (time or fuel consumption basis), will be included in the monthly Diesel Chemical and Particulate Emissions Report.

Alternative Fuel Use Option:

The Contractor may elect to utilize alternative fuel, such as bio-diesel, in all of the diesel-powered construction equipment in lieu of the 50% retro-fitting option. The Contractor shall identify all equipment and vehicles that will use clean or alternate fuels, such as bio-diesel, and report the amount of fuel usage on a monthly basis in the Diesel Chemical and Particulate Emissions Report. The addition or deletion of diesel equipment shall also be included in the ongoing monthly submittals of the Diesel Chemical and Particulate Emissions Report.

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No-idle Practices:

In addition to installing emission control devices or using alternative fuel, the contractor shall use methods to control nuisance odors associated with diesel emissions from construction equipment including without limitation the following: (1) turning off diesel combustion engines on construction equipment not in active use, and on trucks that are idling while waiting to load or unload material for five minutes or more; and (2) locating diesel equipment away from the general public and sensitive receptors.