

Scrap Tire Removal Best Practices

- ✿ Select A Qualified Contractor
- ✿ Identify Cost Factors

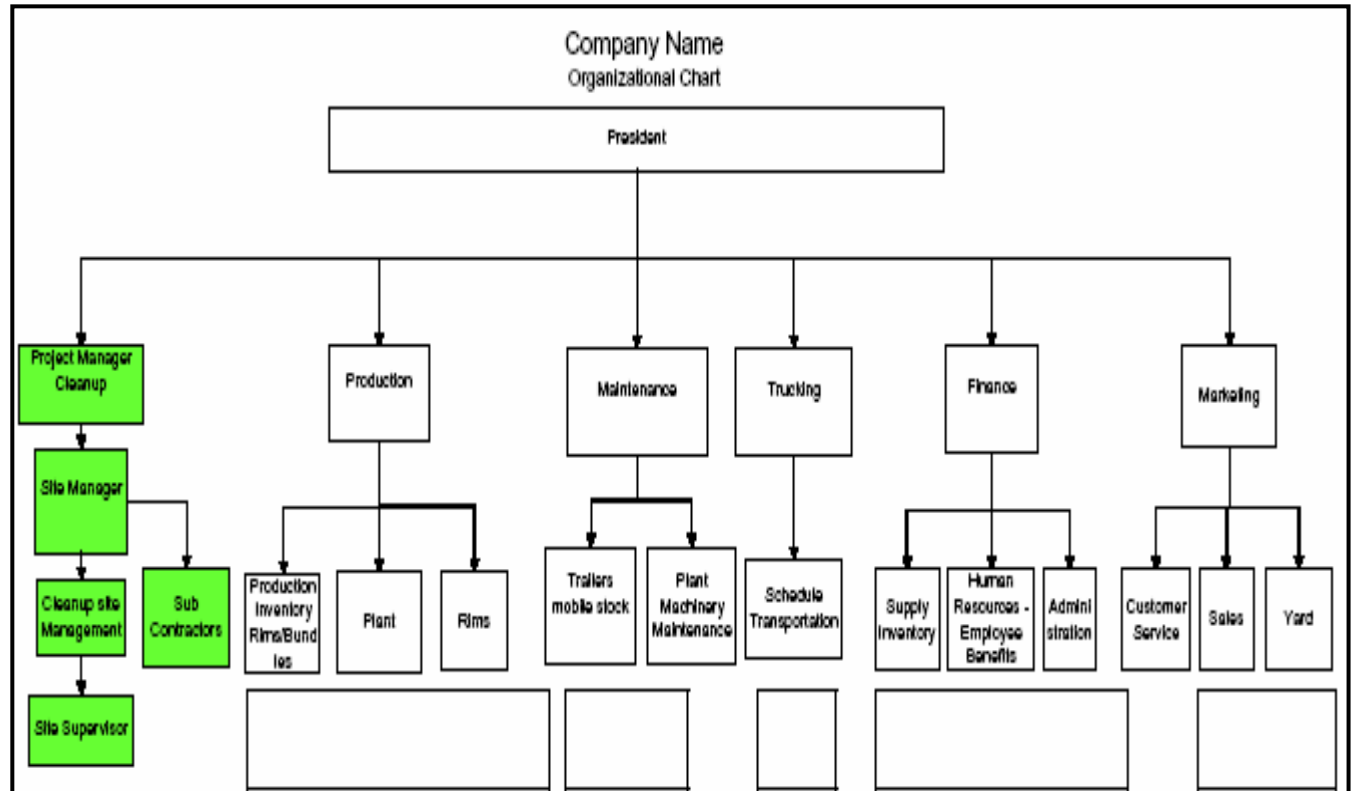


Denise Kennedy, DK Enterprises
U.S. - Mexico Border
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Select A Qualified Contractor

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- ✱ Similar Tire Remediation Projects
 - ✱ Company History and Experience
 - ✱ Organizational Chart
 - ✱ References
 - ✱ Financial Capabilities
 - Performance Bond
 - Evidence of Insurance
 - ✱ Disposal and Recycling Agreements
 - ✱ Develop Markets
 - ✱ Verify All Information

Qualified Contractor Organizational Chart



Cost Factors

- ★ Time and Resources
- ★ Site Visit, Inspection, Preparation
- ★ Operational Considerations
- ★ Risk Management
- ★ Contact List
- ★ Labor
- ★ Subcontractors
- ★ Equipment
- ★ Transportation
- ★ Recycling vs. Disposal Options
- ★ Market Development
- ★ Budget Items
- ★ Chart – Successful Scrap Tire Removal Projects

Cost Factors Site

- ☀ Site Visit and Inspection
 - Measure Stockpile
 - Identify Type and Quantity of tires
 - Evaluate Site Characteristics
 - Consider seasonal weather

- ☀ Site Preparation
 - Stabilize Access and Perimeter
 - Fire Lanes, Vegetation Control
 - Water Source, Run Off, SWPP
 - Fencing, Lighting, Gravel
 - Equipment Pads



Cost Factors Operations

- 
- ✱ Operating Considerations
 - Hours of Operation
 - Fire Safety Plan
 - Policies and Procedures
 - Deliverables Reporting
 - ✱ Risk Management
 - Back Up Plan
 - Health and Safety Training
 - Equipment Training
 - Employee Turnover
 - Machinery Breakdowns

Cost Factors

Contact List



Develop Contact List

- State and Local Agencies
- Land Owner and Neighbors
- Sub-Contractors
- Police and Fire Department
- Labor Pool and Temp Services
- Trucking Companies
- Equipment Rentals, Owned, Purchase
- Suppliers and Vendors
- Disposal and Recycling Options
- Product and Market Development
- Politicians/Press Publicity

Politicians/Press/Police/Fire



Cost Factors Labor

☀ Personnel

- Project Manager
- Shift Supervisors
- Laborers
- Equipment operators
- Truck drivers
- Administrative
- Sales and Marketing



☀ Wages and Benefits

- Hourly/Salaried
- Prevailing Wages
- OMWBE



Cost Factors

Subcontractors

- ★ Subcontractors
 - Consultants/Advisors
 - Trucking Companies
 - Equipment Operators
 - Labor Sources
 - Second Party Contracted Companies



Cost Factors Equipment

- ✱ Equipment options
 - Shredder
 - Excavator
 - Loader
 - Backhoe
 - Trucks and trailers
 - Scale
 - Mobile Office
 - Break Room
 - Light Towers
 - Portable Toilet
 - Portable Generator



Cost Factors Transportation

- ✱ Transportation Variables
 - Contractor and Subcontractor
 - Trucks and Trailers
 - Distance To Disposal and Recycling Options
 - Highway Legal Weights Vary
 - Fuel Rates
 - Fuel Surcharge



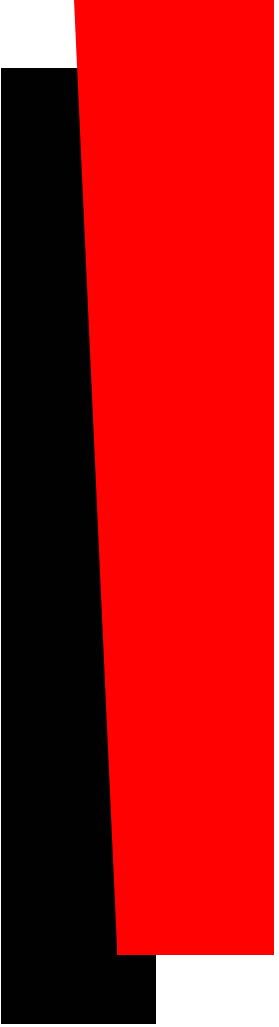
Cost Factors

Recycling vs. Disposal Options

- ✱ Recycling vs. Disposal Options
 - Recycling
 - Better Public Relations
 - May Cost More
 - May Take Longer To Remove
 - Disposal
 - Cheaper
 - May be Quicker to Remove
 - Barriers
 - Displace Current Market
 - Contamination

Cost Factors

Market Development

- 
- ✱ Ground/crumb rubber (GR)
 - ✱ Tire Derived Fuel (TDF)
 - ✱ Civil Engineering (CE)
 - ✱ Rubberized Modified Asphalt (RAC)
 - ✱ Tire Derived Products (TDP)
 - ✱ Cut, Stamped & Punched Products
 - ✱ Agriculture
 - ✱ Export
 - ✱ Used Tires
 - ✱ Retreads/Buffings

Cost Factors

Critical Budget Items

- 
- ✿ Mobilization
 - ✿ Demobilization
 - ✿ Equipment
 - ✿ Labor & Benefits
 - ✿ Subcontractors
 - ✿ Transportation
 - ✿ Disposal & Recycling Options

Cost Factors

Overhead Budget Items

- 
- ✱ Repairs
 - ✱ Fuel
 - ✱ Depreciation
 - ✱ Insurance
 - ✱ Travel
 - ✱ Housing
 - ✱ Supplies
 - ✱ Administrative & General
 - Licenses & Permits
 - Other

Successful Scrap Tire Removal Projects

Best Practices

SUCCESSFUL PROJECT	RESPONSIBLE AGENCY	QUALIFIED CONTRACTOR
State Scrap Tire Removal Program Credibility of Property Owner Funding Qualified Contractor Communication Partnerships Completion	Funding Availability Partner with Industry & Agencies Long Term Enforcement Action Understand Markets Illustrate Goals & Objectives Identify Scrap Tire Piles Prioritize Project Removals Philosophy: Disposal vs. Recycling Site Access for Contractor Establish Realistic Timeline Select A Qualified Contractor Verify All Information	Similar Tire Remediation Projects Company History & Experience References Organizational Chart Financial Capabilities Disposal Agreements Recycling Agreements Time and Resources Capability to Develop Market Agency Partner

PREPARATION OF BID	COMMUNICATION QUEST	COST CATEGORIES
Invest Time & Resources Understand Request for Info Identify Funding Source Use Knowledge & Experience Visit Site & Measure Pile Identify Site Preparation Describe Project Plan Be Clear on Project Timeline Develop Contact List Communicate & Follow-up Acquire Quotes & Agreements Identify All Costs Identify Potential Revenue Prepare Bid Response	Private Contractor State & Local Agencies Land Owner & Neighbors Subcontractors Police & Fire Department Labor Pool & Temp Services Trucking Companies Licensing & Permit Requirements Equipment Owners & Rentals Disposal & Recycling Options Market Development Product Sales Requirement Documentation Politicians/Press Publicity	Mobilization Demobilization Equipment Labor & Benefits Subcontractors Transportation Disposal & Recycling Options Supplies Administrative Overhead Profit (Less Revenue from Sales)

CONTRACT WINNER	RESEARCH	COST PER TON/TIRE/PROJECT
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Scrap Tire Removal Best Practices

- 
- ✿ Reliable Funding Source
 - ✿ Due Diligence
 - ✿ Partnerships
 - ✿ Qualified Contractor
 - ✿ Cost Factors
 - ✿ Communicate
 - ✿ Succeed

Scrap Tire Removal Best Practices

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