

ATTACHMENT 1
OCD Environmental Bureau Closure Cost Estimate
For
Gandy Marley, Inc. Landfarm, 156 acres
October 6, 1999

Quarterly Analytical Analysis for one year on twenty (20) five (5) acre cells

State Contract Laboratory Prices per analysis:

BTEX	\$ 40.00	x	8 quarters	x	20 cells	=	\$6,400.00
TPH	\$ 50.00	x	8 quarters	x	20 cells	=	\$8,000.00
Metals	\$200.00	x	2 years	x	20 cells	=	<u>\$8,000.00</u>
							\$22,400.00 Analytical

Quarterly Sampling Time and Labor for 20 Cells

Labor \$55.00/hour
Sample 30 min per cell
Travel 2 hour
Delivery & Paperwork 2 hour

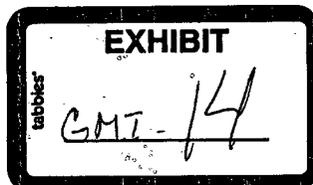
Total Time = (30min/cell x 20 cells) + 2 hours + 2 hours = 14 hours

14 hours x \$55.00/hour = \$770.00/sampling event

\$770.00/sampling event x 8 quarters = **\$6,160.00 Labor**

Disking/Tilling for Two Years Every Two Weeks for 100 acres
Price and Time Quotes from Equipment Operators and Landfarm Operators:

Small Tractor and Operator \$30.00 /hour
5 acres per hour = 12 min per acre
100 acres at 20 hours x 52 weeks = 1040 hours
1040 hours x \$30.00/hour = **\$ 31,200.00 Disking/Tilling**



Water for Bioremediation

Price Quotes from Equipment Operators

Water Truck \$120.00/load

\$120.00/load x 10 loads x 6 Events in Two Years = **\$7,200.00 Water**

Level and Contour Landfarm

Price and Time Quotes from Equipment Operators

D-6 Dozer and Operator \$75.00/hour

\$75.00/hour x 15min/acre x 153 acres = **\$5737.00**

Revegetation for 153 Acres

Equipment an labor cost

Tractor and seed drill \$30.00/hour @ 15 min/acre for 153 acres = \$1,147.00

Materials Cost

Seed \$10.00/lb @ 5 lb/acre for 153 acres = \$7,650.00

\$1,147.00 + \$7,650.00 = **\$8,797 Revegetation**

Remove Fluids From All Tanks.

125 bbl water truck & driver \$55.00/hour

2 hours per trip

\$0.35 bbl disposal cost

1 x 750 bbl receiving tank = **750 bbl for disposal**

1 x 280 bbl skim tank = **280 bbl skim oil (not for disposal)**

= 750 bbl of tank fluid for disposal

$\frac{750 \text{ bbl}}{125 \text{ bbl}} * 2 \text{ hours} * \$55.00/\text{hour} = \$660.00 \text{ transport cost}$

$\$.35 \text{ bbl} * 750 \text{ bbl} = \$263.00 \text{ disposal cost}$

\$923.00 Tank Fluid Disposal

Remove and Dispose/Recycle Tank, Plastic Liner and Concrete

\$500.00 Disposal of Surface Equipment

Total Closure and Revegetation Cost of an 156 acre Landfarm = \$82,917.00