

**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>
							<b>\$22,400.00 Analytical</b>

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**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

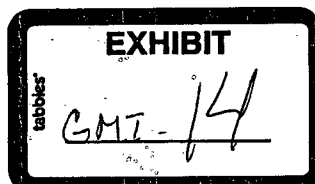
\$770.00/sampling event x 8 quarters = **\$6,160.00 Labor**

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**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**

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## **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**

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## **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**

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## **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**

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## **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**

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**Remove and Dispose/Recycle Tank, Plastic Liner and Concrete**

**\$500.00 Disposal of Surface Equipment**

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