

## Calpine Financial Assurance Calculations

Glass Mountain Typical Sump Clean-up After Testing.

2006 Prices

### Assumptions

Well flowing into sump has stopped

Sump is full of water from the flow test.

Fluid is Geothermal brine.

Sump to be pumped down slowly as to not damage liner

### Labor Rates

Labor Rate \$ 50 per hr

Supervision Rate \$ 80 per hr

### Steps to clean sump

Pump Sump into well that was being flow tested.

Tools:	Cost
2" trash pump.	\$ 500
2" hoses	\$ 300
8" X 2" Adaptor	\$ 150
3" X 2" Adaptor	\$ 125
2" check Valve	\$ 250

### 7 days to pump

Misc supplies, (gasoline) \$	25	per day
Labor	12 hrs	per day
Supervisor	2 hrs	per day

Total to Pump Sump. \$ 6,820

### Clean Sump of silica solids.

Crew of 6 labors

1 Supervisor

3 Days to do work

Waste Drums	45 per Drum
Waste Disposal	250 per Drum
Labor	10 hrs per day
Supervisor	10 hrs per day

Total to Clean Sump of Silica: \$ 16,710

### Removal of Bat Netting

Crew of 6 labors

1 Supervisor

.5 Days to do work

Dispose of Material	500
Labor	12 hrs per day
Supervisor	12 hrs per day

Total to Remove Bat Netting \$ 2,780

### Remove Bat Netting Structure

Crew of 2 labors

1 Supervisor

1. Days to do work

Dispose of Material	500
Cutting Torch	50 per day
Fire Trailer	250 per day
Boom Truck	750

Labor 10 hrs per day  
Supervisor 10 hrs per day

Total to Remove Bat Netting Structure \$ 3,350

Total for all Work \$ 29,660

Liner becomes damaged while testing. Water line leading to the sump breaks and washes out a portion of the liner.

Assume the size is 10 ft long 4 ft wide

Volume of material to be repaired.

80 ft<sup>3</sup>  
9600 #  
96 sacks  
\$ 681.60 \$ 7.10 per sack

Labor to Compact in place.

Assume 4 Cubic feet per man hour

labor rate \$ 50.00

20 hours

Labor Cost \$1,000.00

Total Cost to repair. \$1,680.00