

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill:

Sterling Silver 3 Federal 6 CTB

(32.261015,-103.767458)

Date of Spill:

9/27/2019

NCE2002448579

Site Soil Type:

Pajarito loamy fine sand, 0%-3% percent slopes, eroded

Estimated Daily Production Loss:

BBL Oil

BBL Water

Total Area Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	30.0 ft	X	100 ft	X	3.75 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity 0.16 gal per gal

Saturated Soil Volume Calculations:

Area #1

3,000 sq. ft.

938 cu. ft.

cu. ft.

Area #2

0 sq. ft.

cu. ft.

cu. ft.

Area #3

0 sq. ft.

cu. ft.

cu. ft.

Area #4

0 sq. ft.

cu. ft.

cu. ft.

Area #5

0 sq. ft.

cu. ft.

cu. ft.

Area #6

0 sq. ft.

cu. ft.

cu. ft.

Area #7

0 sq. ft.

cu. ft.

cu. ft.

Area #8

0 sq. ft.

cu. ft.

cu. ft.

Total Solid/Liquid Volume:

3,000 sq. ft.

938 cu. ft.

cu. ft.

Estimated Volumes Spilled

Liquid in Soil:

26.7 BBL

0.0 BBL

Liquid Recovered :

4.0 BBL

0.0 BBL

Spill Liquid

30.7 BBL

0.0 BBL

Total Spill Liquid:

30.7

Recovered Volumes

Estimated oil recovered:

0.0 BBL

Estimated water recovered:

4.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	