

L48 Spill Volume Estimate Form

Facility Name & Number:		VGEU 02-01 Flowline						
Asset Area:		maljamar						
Release Discovery Date & Time:		10/10/19 4:00pm						
Release Type:		Oil Mixture						
Provide any known details about the event: flow line leak, soil saturated from recent rains								
Spill Calculation - Subsurface Spill - Rectangle								
Was the release on pad or off-pad? On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor								
Has it rained at least a half inch in the last 24 hours? Yes, On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above.								
Areas	Area measured with smart phone app (ft2)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
AREA 1	9919.0	4.00	13.57%	588.527	79.863	3.00%	2.396	77.467
AREA 2	3048.0	4.00	13.57%	180.848	24.541	3.00%	0.736	23.805
AREA 3	170.0	4.00	13.57%	10.087	1.369	3.00%	0.041	1.328
AREA 4	9180.0	4.00	13.57%	544.680	73.913	3.00%	2.217	71.696
AREA 5	3381.0	2.00	13.57%	100.303	13.611	3.00%	0.408	13.203
				Total Volume on ground:	193.297			
				Volume recovered:	180		5.799	187.498
				Total Released:	373.297		11.199	362.098