

TABLE 25

**VOLUME ESTIMATION MODEL PARAMETERS, VALUES, AND USES
BN Havre Fueling Facility**

Parameter	Area ^(a)	Value	ARMOS(V5.28)	CONCAWE	Farr et al. (1990)
Fluid parameters					
LNAPL Density (g/ml)	RA 1	0.863	x ^(b)	x	x
	RA 2	0.867	x	x	x
	RA 3	0.848-0.871	x	x	x
	BH	0.855	x	x	x
LNAPL -Water Interfacial Tension (dynes/cm)	RA 1	17.4	x		x
	RA 2	20.7	x		x
	RA 3	11.3-20.1	x		x
	BH	14.3	x		x
LNAPL Surface Tension (dynes/cm)	RA 1	24.4	x		x
	RA 2	27.9	x		x
	RA 3	23.1-23.2	x		x
	BH	23.2	x		x
Soltrol Surface Tension (dynes/cm)	Facility	24.2			x
Soltrol Air Entry Pressure (cm H2O)	Facility	150			x
Water Density (g/ml)	Facility	1	x	x	x
Depth to Water (ft)	Facility	see Table 17	x	x	x
Depth to LNAPL (ft)	Facility	see Table 17	x	x	x
Soil parameters					
Porosity	Facility	0.42	x		x
Brooks-Corey Index	Facility	0.5			x
Van Genchten α	Facility	0.67	x		
Van Genchten n	Facility	1.7	x		
S_m	Facility	0.43	x		
S_r	Facility	0.07			x

Notes:

- (a) RA 1 = Recovery Area 1, RA 2 = Recovery Area 2, RA 3 = Recovery Area 3, BH = Bullhook Area, Facility = value used Facility-wide.
- (b) "x" indicates parameter used in the specified model.