

Terra Energy  PA 14-32  Spill Date: 10/03/2016	COGCC Table 910- 1 Threshold	Excavation and Landfarm Samples	
		Excavation	Landfarm
		10/3/2016	10/7/2016
TEPH (DRO)	500	45	170
TVPH (GRO)		ND	180
<b>Organic Compounds in Soil</b>			
BENZENE	0.17	ND	ND
TOLUENE	85	ND	ND
ETHYLBENZENE	100	ND	ND
XYLENE TOTAL	175	0.048	0.31
<b>Organic Compounds in Soil</b>			
ACENAPHTHENE	1,000	ND	ND
ANTHRACENE	1,000	ND	ND
BENZO(A)ANTHRACENE	0.22	ND	ND
BENZO(A)PYRENE	0.022	ND	ND
BENZO(B)FLUORANTHENE	0.22	ND	ND
BENZO(K)FLUORANTHENE	2.2	ND	ND
CHRYSENE	22	ND	ND
DIBENZO(A,H)ANTHRACENE	0.022	ND	ND
FLUORANTHENE	1,000	ND	0.045
FLUORENE	1,000	ND	ND
INDENO(1,2,3-CD)PYRENE	0.22	ND	ND
NAPHTHALENE	23	ND	0.049
PYRENE	1,000	ND	0.013
<b>Metals in Soils</b>			
ARSENIC	0.39	9.7	11
BARIUM	15,000	230	260
CADMIUM	70	ND	ND
CHROMIUM	-	10	12
CHROMIUM (III)	120,000	9.6	12
CHROMIUM (IV)	23	ND	ND
COPPER	3,100	13	14
LEAD	400	13	11
MERCURY	23	0.025	0.023
NICKEL	1,600	16	18
SELENIUM	390	ND	ND
SILVER	390	ND	ND
ZINC	23,000	57	67
<b>Inorganics in Soils</b>			
ELECTRICAL CONDUCTIVITY (EC) (mmho/cm)	<4 mmhos/cm or x2 bkgd	1.9	5.2
pH	6 to 9	7.9	8.8
SODIUM ADSORPTION RATIO (SAR)	12	5.7	6.1
*NA- Not analyzed **ND-No detection (below laboratory detection limits) ***Threshold concentrations based on the May 1, 2018 COGCC rules and regulations			