

Clean Earth Sampling Protocol
New Castle Thermal Treatment

PARAMETERS	TPH DRO*	BTEX	TOX	TCLP METALS & RCRA	IGNITABILITY	CORROSIVITY (pH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TOTAL METALS	HEXAVALENT CHROMIUM	TOTAL CYANIDE	TCLP VOLATILE ORGANICS	TCLP SEMI VOLATILE ORGANICS	TCLP HERBICIDES	TCLP PESTICIDES	PAHs	MOISTURE	
METHODS (1)		8015B	8021 or 8260B	9020 or 9023	1311/6010/7470A	1010A	9040C	SW846 CHAPTER 7.3	8082A	6010/7471	4196	9014	1311/8260B	1311/8270D	1311/8151A	1311/8081B	8270D	SM20-2540G
FREQUENCY																		
UST Virgin Source	Representative composite sample every 1000 tons in accordance with SW846	X	X		X	X	X	X	X	Aluminum	X	X						X
										Antimony								
										Arsenic								
										Barium								
										Beryllium								
										Boron								
										Cadmium								
										Cobalt								
										Copper								
										Trivalent Chromium								
										Iron								
										Lead								
										Manganese								
										Mercury								
										Nickel								
										Selenium								
										Silver								
Thallium																		
Tin																		
Vanadium																		
Zinc																		
Limit		Unlimited	Unlimited	500	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<3.0			Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Unlimited		
TPH/MGP Contaminated	Representative composite sample every 1000 tons in accordance with SW846	X	X	X	X	X	X	X	X	Aluminum	X	X	X	X	X	X	X	X
										Antimony								
										Arsenic								
										Barium								
										Beryllium								
										Boron								
										Cadmium								
										Cobalt								
										Copper								
										Trivalent Chromium								
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										Manganese								
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Limit		Unlimited	Unlimited	500	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<3.0			Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Below RCRA Toxicity Level	Unlimited		

For Virgin Residential Soil <100 tons, analyze for TPH DRO only

(1) Test methods shall be those found in the most current legal edition of SW-846.

Additional testing criteria may be required to address potential contaminants that can reasonably be expected to be present in the soil based on environmental due diligence.

* For Gasoline Sources use TPH-GRO in lieu of TPH-DRO