

**Clean Earth Sampling Protocol  
New Castle - DRS**

PARAMETERS	TPH-DRO*	BTX	TOX	TCLP METALS 8 RCRA	IGNITABILITY	CORROSIVITY (pH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs	TOTAL METALS	HEXAVALENT CHROMIUM	TOTAL CYANIDE	TCL VOLATILE ORGANICS	TCL SEMI-VOLATILE ORGANICS	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	7196	9014	8260B	8270D	1311/8260B	1311/8270D	1311/8151A	1311/8081B	8270D	SM20-2540G			
FREQUENCY																						
<b>Known Source Petroleum Contaminated</b>	Representative composite sample every 1000 tons in accordance with SW846	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Aluminum		
																				Antimony		
																				Arsenic		
																				Barium		
																				Beryllium		
																				Boron		
																				Cadmium		
																				Cobalt		
																				Copper		
																				Trivalent Chromium		
																				Iron		
																				Lead		
																				Manganese		
																				Mercury		
																				Nickel		
																				Selenium		
																				Silver		
Thallium																						
Tin																						
Vanadium																						
Zinc																						
<b>Limit (mg/Kg)</b>	<5000	<10	10	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		
<b>Non-Petroleum Contaminated</b>	Representative composite sample every 1000 tons in accordance with SW846	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Aluminum		
																				Antimony		
																				Arsenic		
																				Barium		
																				Beryllium		
																				Boron		
																				Cadmium		
																				Cobalt		
																				Copper		
																				Trivalent Chromium		
																				Iron		
																				Lead		
																				Manganese		
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																				Nickel		
																				Selenium		
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(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