SPECIFICATION

SECTION 7.0: Compost use for Establishment of vegetation on marginal soils-ex; Brownfields, Landfill Covers, Bio-remediation & Phyto-remediation

7.1 Description

This work shall consist of incorporating compost into soil profile to improve soil quality and plant growth. This specification applies to all types of turf establishment methods including seeding, sodding and hydroseeding.

7.2 Materials

A. Nutrient Grade Compost: Quality compost must be manufactured by a composter enrolled in the **U**nited **S**tates **C**ompost **C**ouncil's (USCC) **S**eal of **T**esting **A**ssurance (STA) Program. (33% by volume)

1. Compost must meet following parameters as tested by an STA approved lab using the Test Methods for Evaluating Compost and Compost Manufactures method.

2. Plant Nutrients	%, dry weight basis	TMECC Method
Nitrogen	>1.2	4.02D
Phosphorus	>0.50	Calc.
Potassium	>0.50	Calc
Calcium	>0.90	4.05
Magnesium	>0.20	4.05
Organic Matter Content	>50%	5.07-A
3. Soluble Salts dS/m (mmhos/cm)	<4.0	4.08-A
4. Particle Size % under 9.5 mm	95% or greater	2.02-B
5. Stability Indicator (respirometry)		
CO_2 Evolution mg CO_2-C/g OM/day	<2	5.08-F777
6. Maturity Indicator (bioassay)		
Percent Emergence	85% or greater	5.05-A
Relative Seedling Vigor	85% or greater	
7. Select Pathogens	Pass	Standard
(pass/fail per US EPA Class A standard, 40 CFR 503.32(a))		Method 9221E

Note: The use of compost will reduce fertilizer requirements. The compost generator shall supply the specifier a nutrient analysis to determine these requirements.

7.3 Construction Requirements

A. Incorporate uniformly one to three inches of compost within the top four to six inches of the soil profile (three to twelve cubic yards per 1000 square feet).

B. Use a higher rate for upgrading marginal soils.

C. Water thoroughly after seeding or sodding.

D. An additional ¼ of compost can be applied after seeding to hold seed in place.

7.4 Method of Measurement

A. Compost will be measured by the cubic yard.

7.5 Product Information

This specification covers the properties of ERTH Food™ as distributed by: Exceptional Products, Inc, 402 Line Creek Dr., Peachtree City, GA 30269, 800-286-6677.

End of Section