Genesis Biochar — NRCS CPS 336 Compatibility Statement

(For producer submission to NRCS / Regenerative Pilot Program use)

Product: Genesis Biochar (soil carbon amendment / biochar)
Manufacturer: Genesis Enterprises, Inc. (DBA Genesis Biochar) genesisbiochaar.com
Address: 819 Montana Highway 82, Somers, MT 59932
Phone: (406) 885-4746
Contact: Joe Clark – genesisbiochar@gmail.com

1) Intended NRCS Use

Genesis Biochar is intended for use as a **Soil Carbon Amendment** consistent with **NRCS Conservation Practice Standard (CPS) 336** and may be used by producers where CPS 336 is planned as part of an NRCS-approved conservation plan/contract, including under the **NRCS Regenerative Pilot Program** (where CPS 336 is used as a supporting soil health/carbon amendment in combination with required regenerative practices).
Final eligibility and payment are determined by the local NRCS office based on the producer's plan and state-specific requirements.

2) Feedstock and Production Method (Biochar Definition)

Genesis Biochar is produced from **clean wood biomass feedstock** (white wood/forest products residues) using a **controlled, low-oxygen thermal conversion process** (pyrolysis/gasification). The material is produced in a **limited-oxygen environment** at a temperature **exceeding 538°C (1000°F)**, consistent with NRCS CPS 336's biochar production definition (heating biomass above 350°C under limited oxygen conditions).

3) Product Form & Handling

- **Moisture content (as sold): 10%**
- **Particle size (typical): 0.25" ±**
- Product is provided in a stable solid form suitable for bulk handling and soil incorporation.

4) CPS 336 Table 1 — Required Reporting & Contaminant Screening (Key Results)

Genesis Biochar has been analyzed by an independent laboratory. The following results (dry-weight basis unless noted) support CPS 336 Table 1 contaminant screening and reporting:

Basic chemistry (reported):

- **Electrical Conductivity (EC):** 1299 μS/cm (≈ 1.30 dS/m)
- **Total Nitrogen:** 0.28%
- **Organic Carbon (OC):** 61.92%
- **Particle size distribution:** reported by sieve fractions (+/- .25")

Plant nutrients (reported, mg/kg):
P 2,381; K 12,669; Ca 26,949; Mg 3,490 (additional nutrient data available on COA)

Heavy metals (reported, mg/kg):
As 9.96; Cd 1.95; Cu 16.50; Pb 11.71; Hg 0.35; Ni 5.21; Se 9.68; Zn 172.79
These values are below the CPS 336 maximum allowable concentrations for land-applied carbon amendments.

5) CPS 336 Table 3 — Biochar Identity Thresholds (Key Results)

Genesis Biochar meets the CPS 336 biochar identity thresholds:

- **Organic Carbon (Corg):** 61.92% (**>10% required**)
- **H:Corg (molar ratio):** 0.19 (**<0.7 required**)
- **Chromium (Cr):** 6.96 mg/kg (**<1200 mg/kg required**)

6) Producer Use Guidance (NRCS Plan Controls)

Application rate, placement method, and timing should follow the **producer's NRCS conservation plan and CPS 336 job sheet** for the field. Producers should retain:

- This statement,
- The Genesis Biochar COA, and
- NRCS practice documentation (soil tests, application records, maps, and receipts).

7) Documentation Packet Available

Upon request, Genesis Biochar can provide a documentation packet for NRCS review including:

- Certificate of Analysis (COA) with Table 1 and Table 3 items
- Feedstock/process description (clean wood, limited oxygen, >538°C)
- OMRI listing and USDA BioPreferred documentation (if requested)

Manufacturer Contact for NRCS Verification:
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