

BioSonic Recyclone

Case Study – Dallas Wood Waste and Clean-up

PEG LLC. provides the following case study as a means of providing observed operating data on BioSonic equipment. The following information represents opinion, observation, and information from BioSonic employees and contractors as well as information related from third party sources.

In February, 2005, PEG, LLC. delivered to a Dallas based contractor a rental BioSonic 200HP for use in producing soils from waste wood for the time period it took BioSonic to manufacture a new BioSonic 200HP unit. The Dallas Christian High School had purchased a piece of land fronting on Beltway 81 North that had been formerly been used as a waste wood receiving and soils processing lot. The seller of the property left approximately 800,000 cubic yards of waste wood on the site. An estimated 25% -30% of this material was in the form of regrind, material that had previously been reduced from raw wood waste by a tub grinder.

The 200 HP rental unit arrived configured for extremely close reduction. The settings were basically unaltered from its last test in which pumice was reduced to a 40-micron powder. Running the rental unit, as it was, produced an extremely fine product constituted of two basic fractions. A light fraction, consisting of extremely fine wood fibers, overlaid a heavier fraction of powdered soil. While commendable, the sizing was smaller than the customer considered optimum.



After a 15 minute on site change in the rotor and impeller settings, the BioSonic

produced a 1" minus product. The contractor's sales and management declared the product an excellent and well-balanced soil mix and a time code that confirmed over a doubling of output to a recorded production of 125 yd³ / hour.

