



QuikSoil®2300 Odor Control in Biosolids Composting

QuikSoil® 2300 is an effective odor management tool for sewage biosolids destined for composting or drying operations, especially when ammonia and amines comprise a significant percentage of the odor volume.

QuikSoil® 2300 is valuable in these operations for several reasons. First; a single application of QuikSoil® 2300 provides 65% to 85% reduction in odor in 1 to 5 hours - a reduction that is permanent. Second, complex carbohydrates added to the product help stimulate bacterial activity. This leads to faster biological temperature increases and greater demand for nitrogen to build new cells, decreasing the amount of valuable N wasted as off-gassed ammonia, and gradually decreasing volume levels of bio-solids. (Volume decrease is typically 25% over 4 to 6 weeks.) Third, an increase in organic acids decreases pH, also reducing ammonia discharge. Fourth, total VOC emissions are decreased. Maintaining VOC's in the feedstock until they are biologically digested results in higher organic content in the finished product and decreased carbon emissions. Fifth, increased temperatures result in more water loss as steam during turning, resulting in faster drying with less labor.

Feedstocks treated with QuikSoil® 2300 achieve greater stability in less time and also contain higher humic acid levels than materials processed conventionally. Typically, application will occur as solids exit the belt press or centrifuge, or as they are conveyed or loaded into trucks. In situations where bio-solids must be trucked through habited areas or where odor at the off-loading site is a problem, 2300 can provide meaningful reductions in odor with a single application prior to exiting the wastewater facility.

QuikSoil® 2300 is a blend of enzymes, co-enzymes (minerals and vitamins), organic acids, and surfactants. It contains no perfumes, essential oils, or alcohols. 2300 requires no special handling other than avoidance of freezing. 2300 is totally bio-degradable and completely environmentally friendly. Spills may be washed away with water, and accidental discharge into local waterways is not harmful to wildlife and will not impact BOD or COD levels in the water.

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