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MIDWEST BIO-SYSTEMS

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May 7, 1999

Benito J. Garcia, Bureau Chief
Hazardous Waste Bureau, NM Environment Dept.
2044 Galisteo Bldg.-A
Santa Fe, NM 87505

Dear Mr. Garcia:

With the recent opening of the WIPP near Carlsbad, it reminded me of an incident which may be of interest to you and the radioactive waste bureau. Perhaps it might stimulate a means of adding further security to the project.

With the Chernobyl incident in 1986, radioactivity was of course spread over a large area. There was one farm in Austria, though, whose soil and the soil's root crops showed no signs of contamination, even though all surrounding farms suffered and measured radioactive. The "protected" farm belonged to world renowned agricultural researcher, Dr. Siegfried Luebke.

Dr. Luebke had, for a number of years, been enriching the fertility of his soil. Primary to this enrichment process was the gradual building up of organic matter, humus, and microbial activity in the soil. Organic matter, for example, was progressively enriched from below 3% to over 16%. Humus and microbial populations were likewise tremendously increased.

Dr. Luebke and other researchers are not exactly certain why their soil absorbed the caesium with no apparent ill effects—they just know it did. A variety of theories have been hypothesized.

I mention this because the founder of our company, Midwest Bio-Systems, visited Luebke's farm on two occasions for study purposes in addition to bringing Luebke family members to his Illinois site for further educational purposes on three different occasions. Our company adopted essentially the same approach to soil fertility as practiced by Dr. Luebke. As a result, we utilize a similar technology to build up the soil as he does.

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I do not know how many acres are included at the WIPP. But we have the ability to provide the soil enrichment technology to provide a ground cover for a project. If twelve to twenty inches of soil, rich in organic matter, humus, microbes, and an appropriate cover crop (I speculate rye) covered the project, it might serve as a natural absorber in the event of a future leak.

We could probably provide this soil amendment from the Carlsbad area itself, Lovington, or probably from no further away than Roswell.

If you would be interested in learning more about the Austrian incident, let me know. In addition to hearing about my owner's firsthand account, the experience was published in the *Journal of Sustainable Agriculture* and *Acres, U.S.A.* I have copies of both articles.

Perhaps we can be of service to you.

Best wishes,

Greg Berry
Midwest Bio-Systems

Midwest Bio-Systems

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Midwest Bio-Systems (MBS) is a full service company that provides solutions for organic waste management and develops comprehensive soil fertility programs. We provide consulting expertise, design specialized waste management systems and manufacture machinery and microbiological products that convert waste products into the highest quality compost. **Midwest Bio-Systems** has developed a unique method for creating valuable compost, quickly, without odor or runoff problems.

The MBS full range of services includes:

- ***Aeromaster*** Turning Equipment
  - *Tractor-Pulled and Self-Propelled Models*
- ACS Compost Starter
- Monitoring Instruments
- Compost Cover Fabric
- Compost Consulting
- Compost/Soil Building Workshops
- Laboratory Services
- Soil Fertility Programs
- Residue Management

Clients:

The unique advantages of our system are being rapidly recognized and adopted by municipalities, farms and businesses throughout North America. More than 120 compost sites in 30 states and Canada are operating with MBS equipment and technology.

Eli Lilly and Company, a multi-billion dollar pharmaceutical, chose MBS technology for their Environmental Controls Division. Dairy, poultry, cash grain and feedlot operations have adopted our system. Universities, including Purdue University, Illinois State, Michigan State, University of Wisconsin, Ohio State, University of Southwestern Louisiana, University of Georgia and Cal Poly Tech are using our technology as well as reviewing the long-term advantages of renewable farming techniques. The City of Glendale, Arizona is using MBS technology to solve special environmentally sensitive waste handling problems. Large scale produce and landscaping operations in California are using MBS products to process the waste from 40,000 acres.

What is unique about our process?

Our integrated approach to municipal and agricultural waste management can produce top quality compost in 6 to 8 weeks -- much faster than the 9 to 11 months required by some systems. The combined use of aeration, microbiological inoculants and careful monitoring of critical variables in the composting process eliminate odor and harmful runoff. The end product of our integrated system is a water-stable compost that is highly beneficial in farming, gardening and landscaping use.

Midwest Bio-Systems Representatives:

Deed's Equipment Co.
Lawrence, IN
Ph: (317) 545-3331

Larry Hostetler
Otterville, MO
Ph: (660) 366-4235

Tree Sales, Inc.
Paul Huenefeld - Aurora, NE
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Dodd Diesel, Inc.
Snowflake, AZ
Ph: (520) 536-2757

Lancaster Co. Composters
Reuben Stoltzfus, Bird-In-Hand PA
Ph: (717) 293-9701

TREO Enterprises
Dawn Angarone - Elmhurst, IL
Ph: (800) 335-8501

Compost Performance
David Moore - Dalhart, TX
Ph: (806) 384-2021

Soil Solutions, LLC
Chris Lufkin - Portland, MI
Ph: (517) 647-5810

Craig Witt
Minden, NV
Ph: (702) 782-5305

RESPONSIBLE WASTE MANAGEMENT *and* ENVIRONMENTALLY SOUND FARMING

Midwest Bio-Systems

Our Customers Tell Our Story....

On Aeromaster Compost Turners ....

"(We) wanted a turner that was a production machine .... a turner that would get the carbon dioxide out of the windrow while keeping the product oxygenated .... (the) drum design handles compost gently (and) allows us to build crumb structure."

"An important feature of the Aeromaster that keeps cost down is it's ability to inject the water by the operator in one operation. This machine incorporates water so each particle is well-coated .... not wasting water. The watering capability has reduced our labor cost by half, while making our operation much more efficient."

Mark Grover, Grover Landscape Services
Owner/Operator of a 100,000 cu.yds/yr.
Composting Operation

On Customer Satisfaction ....

"The pull-type compost turner produced by Midwest Bio-Systems was originally chosen by Solana Recyclers for their program due to its ability to quickly be made road-ready for transporting between sites. The Aeromaster will be the future turner of choice due to its superior compost turning capabilities, reliability and the excellent factory support from Midwest Bio-Systems."

Rick Hartner, On-Farm Composting

On Laboratory Services ....

"Glendale's property owners were also impressed with Midwest Bio-Systems' scientific approach. Backed by AgriEnergy Resources' microbiology lab in Princeton, Illinois, Blosser showed that MBS could quickly monitor compost at all stages of incubation."

Mike Hoyte
City of Glendale, Arizona

Aeromaster Compost Turners and Advanced Composting Systems (ACS)