

Feed System

The feed system consists of a feed head receiving bin, a recycling bin, and an agglomeration unit. The agglomeration unit meets the correct amount of wet feed and Class A seed material into one of two masses to produce a 60% and 85% solids. The idea is to produce a 60% solids and 85% solids. The idea is to produce a 60% solids and 85% solids. The idea is to produce a 60% solids and 85% solids.

Dryer

The biosolids are dried through the process of taking warm air and blowing it through the agglomeration unit. The agglomeration unit produces a 60% and 85% solids. The idea is to produce a 60% solids and 85% solids. The idea is to produce a 60% solids and 85% solids.

Fertilizer Production

Typical fertilizer is either 24 mm or 48 mm pellet. Dried EQ biosolids goes into a fine screen and into a storage bin. The primary sized pellets are cooled and changed to a storage tank. Overhead material is cooled and mixed with fines to be sent back to the recycle bin. Dry seed material to form the pellet final is dried to a 92% solids EQ product.

Air Pollution Control

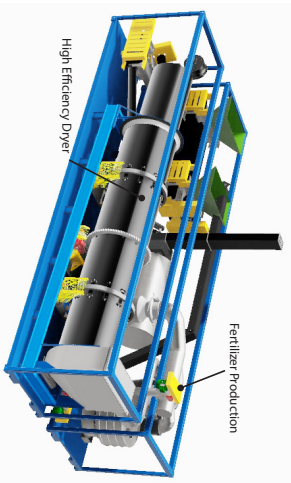
The vapor stream is directed out of the drum and into warm cyclones which include. After exiting the cyclones, the vapor enters a venturi scrubber which removes any of the smaller particulate still contained in the gas stream. After exiting the scrubber, the vapor is directed to the atmosphere through the exhaust stack.

Protecting the
Environment
 through
Biosolids Management

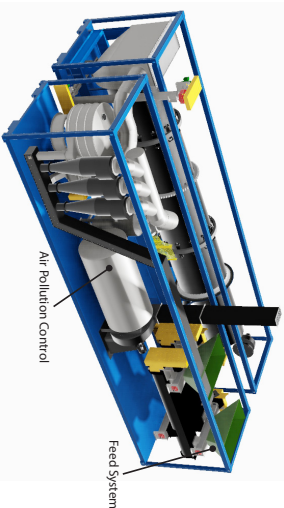


Technology

- Marnnco's cost-effective, full service, eco-beneficial biosolids management solutions eliminate your biosolids concerns.
- Marnnco's containerized Exceptional Quality (EQ) fertilizer production system can be set up on-site at your facility, on any relatively level surface, in just a few days.

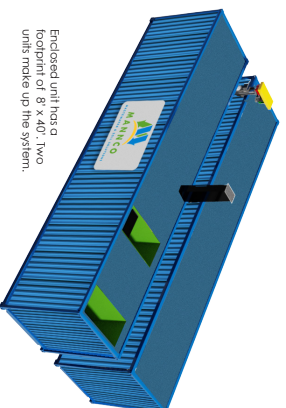


Fertilizer Production

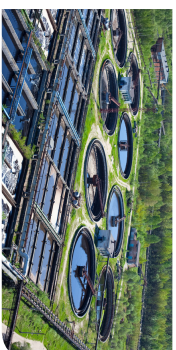


Air Pollution Control

- Automated controls, along with simple, reliable operation, ensure compliance with EPA 503 title 40 regulations for production of a Class A, EQ biosolid.
- Complete system consists of two 8 ft x 40 ft containers, along with skids for storing finished product. Water from the wet feed is typically pumped back to the headworks of the plant.
- Marnnco's complete solution ensures you're not left trying to figure out what to do with the dried biosolids. The biosolids are collected and managed by Marnnco under the Top Choice Organic™ brand.



Enclosed unit has a front and two units make up the system.



Total Biosolids Management

Marnnco offers its competitively priced biosolids drying system for sale, lease, or as part of its total biosolids solution service. As the 3rd largest provider of EQ biosolids for agriculture, Marnnco and the Top Choice Organic™ brand of biosolids are well known and established in the industry.

Marnnco can supply, own, operate, and maintain the dryer system as part of the Marnnco total solutions option. Marnnco can either manage for municipalities or outright own the marketing, distribution, transportation, sale, and land application of the EQ biosolids produced by its systems.

Municipal Biosolid Challenges:

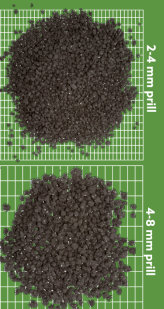
- Costly disposal fees and fines
- Pathogen and vector attraction
- Hauling and storage challenges
- Environmental harms

Marnnco's Solutions:

- Reduced biosolids disposal costs
- Pathogen free EQ product
- Sustainable biosolids management
- Risk free complete solution
- Multiple environmental benefits



2.4 mm pill



4.8 mm pill

USDA CERTIFIED ORGANIC PRODUCT

- ### BENEFITS OF TCO™ BIOSOLIDS
- Adds organic matter to the soil
 - Provides essential plant nutrients
 - Improves soil structure and crop health and production
 - Enhances moisture retention
 - Reduces soil erosion
 - Reduces the need for commercial fertilizers



“Being green is more than a fancy tag-line.

It's about being consciously aware of the choices that we make daily and how they adversely affect our environment.”

Bradley Mannis
Marnnco Environmental Services