**Filling out the Biosolids Quantity DMR**

Please enter the amount of biosolids hauled in the month that biosolids were hauled. For months that no biosolids were hauled, please enter a 0. Submit the DMR monthly regardless of whether biosolids were hauled or not. Do not report or “carryover” quantities hauled from previous months.

Always enter the amount in dry tons in the space (cell) above “Report (Mo. Total)” for each parameter.

**How to Calculate Biosolids for the Biosolids Quantity DMR**

**If you know the percent total solids (from biosolids analyses results) and you know the volume (gallons or cubic yards) or weight (wet tons), then use the following formulas to calculate dry tons:**

**A.**  **Dry tons = Wet tons x Percent Solids (decimal)**

Example:  40 wet tons of biosolids x 0.15 total solids = 6 dry tons of biosolids

**B.  Dry tons = gallons of biosolids x 8.34 lb/gallon x ton/2000 lb x Percent Solids (decimal)**

Example:  6,000 gallons of biosolids x 8.34 lb/gal x ton/2000 lb x 0.04 total solids = 1 dry ton of biosolids

**C.  Dry tons = cubic yards (wet) of biosolids x Y lb/cubic yard x ton/2000 lb x Percent Solids    (Y = site-specific bulk density of biosolids)**

Example:   20 cubic yards of biosolids at 15% total solids and 1800 lb/cubic yard;  Dry tons = 20 cu yds x 1800 lb/cu yds x ton/2000 lb x 0.15 total solids; Dry tons = 2.7 dry tons of biosolids

**If you do not have biosolids analyses results, then you may estimate the percent total solids. Generally, liquid is approximately 1.5 - 2% total solids and dewatered “cake’ is approximately 15 - 20% total solids.**

Example: 1,000 gallons of 2% total solids was hauled.

1,000 gallons of biosolids x 8.34 lb/gal x 0.02 total solids x ton/2000 lb =

1,000 gallons x 8.34 lb/gal = 8,340 lbs

2% of 8,340 lbs = .02 x 8,340 = 166.8 lbs

166.8 lbs/2000 lbs (ton) = 0.0834 dry tons hauled

**Biosolids Quantity Parameters – Landfilled vs. Transferred:**

Disposing of biosolids in a landfill is not the same as transferring biosolids to another facility for treatment. These are two separate items. All the use or disposal parameters are separate items and double entry of quantities should be avoided.

If a landfill and a biosolids treatment facility are co-located, enter the quantity as either landfilled or transferred, but not both. Choose the best option as practiced by the facility (i.e. - if hauling records indicate biosolids are sent to the N-Viro biosolids treatment facility at the Tomoka Farms landfill, the quantity should be entered on the DMR as “transferred.”)