

July, 2016

Biosolids Resource Recovery Monthly Report



DC Water

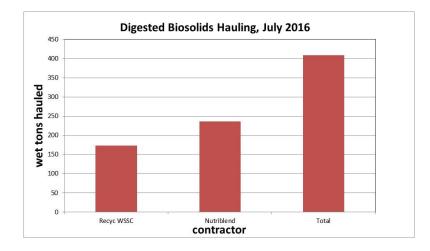
Resource Recovery Division 5000 Overlook Avenue SW Washington, DC 20032 202-787-4329; 202-787-4226 (fax) cpeot@dcwater.com



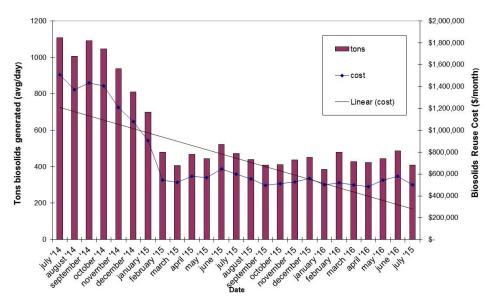
The mission of the DC Water biosolids management program is to provide reliable, diversified, flexible, sustainable, environmentally sound, publicly acceptable, and cost-effective reuse of the biosolids assets produced by the Blue Plains Resource Recovery Plant while helping preserve agriculture and protect the Chesapeake Bay.

July 2016 Resource Recovery Report

In July, biosolids hauling averaged 409 wet tons per day (wtpd). The graph below shows the total hauling by contractor for the month of July. The average percent solids for the digested material was 31.1%. At the end of July the Cumberland County storage pad had approximately 8000 tons (~25,000 tons capacity), Cedarville lagoon had approximately zero tons of Blue Plains biosolids (~30,000 tons capacity), Goochland pad had zero tons, and Fauquier lagoon had 2700 tons (~15,000 tons capacity).



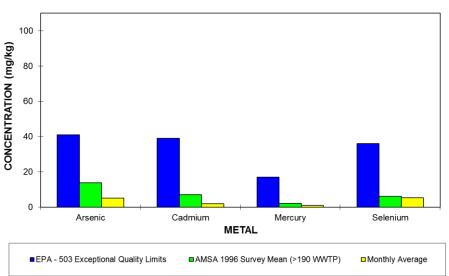
Average Daily Biosolids Production and Reuse Cost



In July, diesel prices averaged \$2.51/gallon and with the contractual fuel surcharge the weighted average biosolids reuse cost was \$39.60/wet ton.

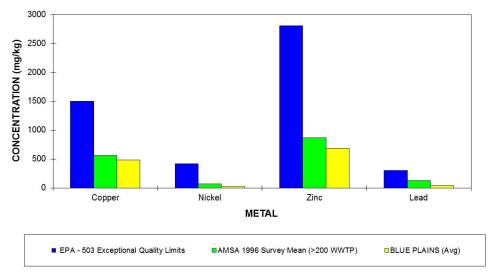
Product Quality

The graph below show the EPA regulated heavy metals in the Blue Plains biosolids for the month of June 2016. As can be seen in the graphs, the Blue Plains levels are considerably below the regulated exceptional quality limits and the national average.

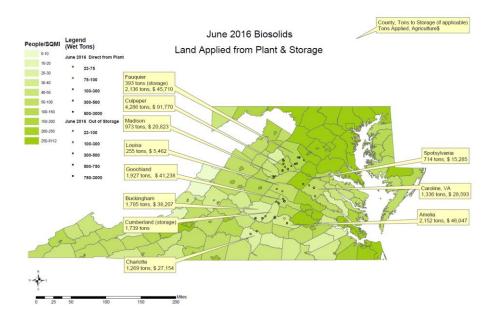


BLUE PLAINS BIOSOLIDS METALS COMPARISON June 2016

BLUE PLAINS BIOSOLIDS METALS COMPARISON June 2016



Biosolids Applications and Agricultural \$'s for June 2016



Environmental Benefits

The quantity land applied in June coming directly from the plant and from storage facilities equaled 16,836 tons. Taking into account the fuel required to transport biosolids to the field, the net benefit of the land applied material is 1132 metric tons CO_2 equivalent avoided emissions. This is equivalent to taking 2,306,554 car miles off the road in the month of June (assumes 20 mpg, 19.4 lb CO_2 equivalent emissions/gallon gas – EPA estimate). The cumulative total avoided

carbon emission since, January 2006 is 147,521 metric tons CO₂ equivalent.

