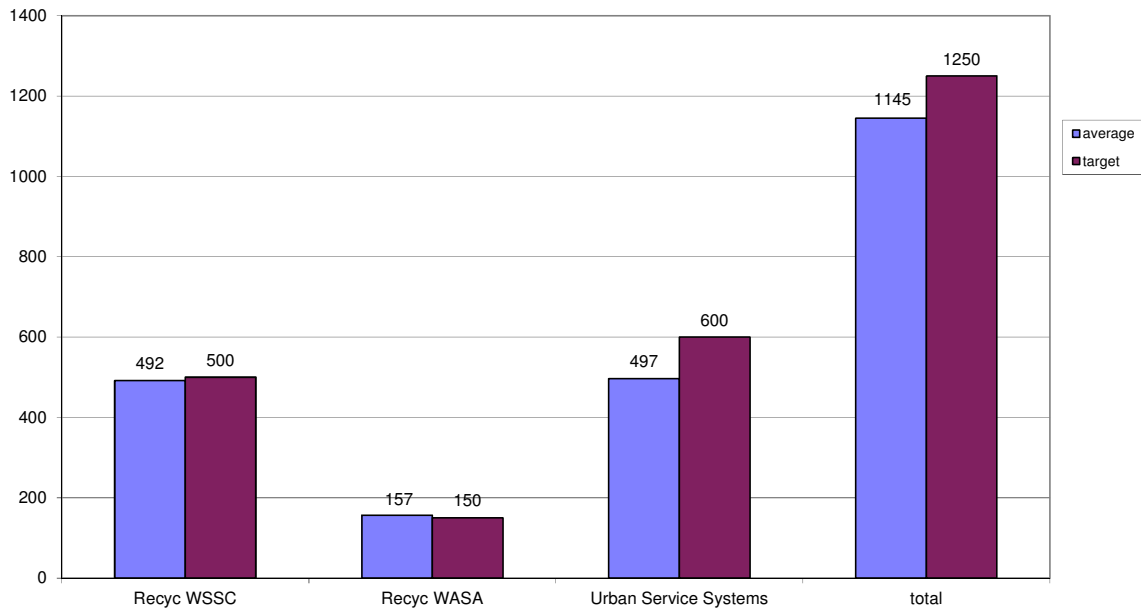


## April 2011 Biosolids Division Report

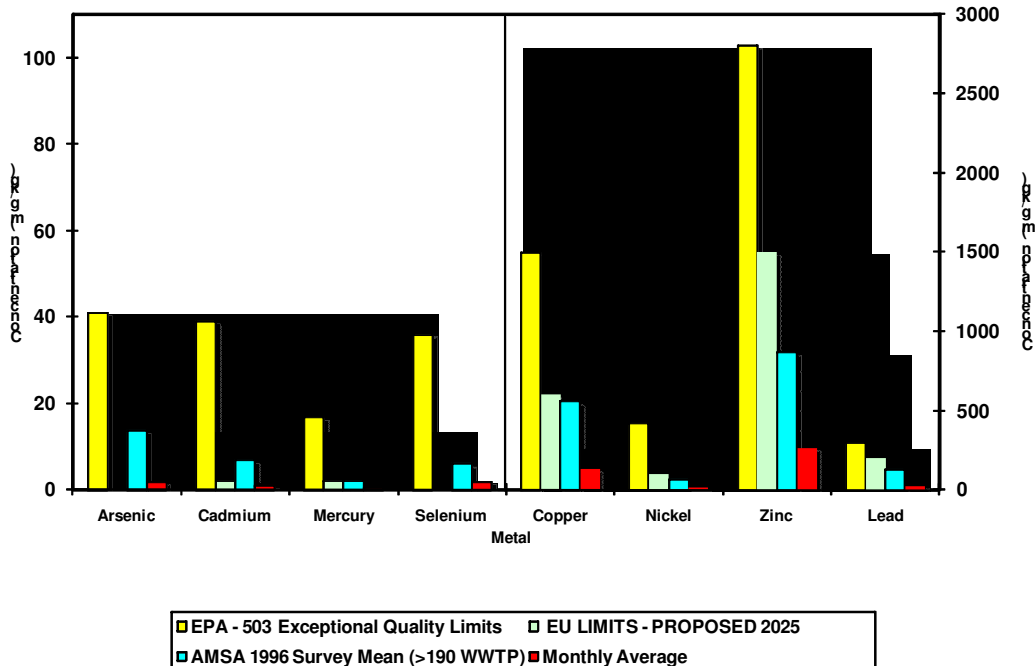
In April, biosolids hauling averaged 1148 wet tons per day. The graph below shows the hauling by contractor for the month of April. In April, DC Water again shipped biosolids to the McGill Compost Facility in Waverly, VA. This is done through the Urban Service Systems contract. In April a total of 722 tons went to compost production. At the end of April, the Cumberland County storage pad had 5200 tons (~25,000 tons capacity) and the Cedarville lagoon had 7927 tons (~30,000 tons capacity).

Average Daily Hauling by Contractor for February, 2011



The graphs below show the EPA regulated heavy metals in the Blue Plains biosolids for the month of March 2011. As can be seen in the graphs, the Blue Plains levels are considerably below the regulated exceptional quality limits, the national average levels surveyed in 1996, and the European Union (EU) limits. The EU limits are more conservative than the USEPA limits, and Blue Plains biosolids metals content is lower than the EU standards as well.

**BLUE PLAINS BIOSOLIDS METALS COMPARISON  
MARCH 2011**



### Environmental Benefits

Zero tons of biosolids went to landfills in March (this data one month behind). The quantity land applied coming directly from the plant and from storage facilities equaled 28,303.73 tons. In addition, 767 tons went to composting. Taking into account the fuel required to transport biosolids to the field, the net benefit of the land applied material is 1548 metric tons CO<sub>2</sub> equivalent avoided emissions. This is equivalent to taking 3,52,843 car miles off the road in the month of March (assumes 20 mpg, 19.4 lb CO<sub>2</sub> equivalent emissions/gallon gas – EPA estimate). The cumulative total avoided carbon emission since April, 2007 is 71763 metric tons CO<sub>2</sub> equivalent.

### April Highlights

Staff participated in a tour of the Henrico County Water Reclamation Facility for the Virginia State Water Control Board members, designed to answer questions regarding the land application of biosolids. The SWQCB is approving permits and new regulations in the next few months.



### Map of Blue Plains Biosolids Applications and Agricultural \$'s for March 2011

