

Biosolids Monthly Report



CITY OF RICHMOND
DEPARTMENT OF PUBLIC UTILITIES



Submitted By:
Biosolids Management Program Team

Wastewater Treatment Facility
1400 Brander St.
Richmond, VA 23224



Mr. Willie Horton the deputy director for the department of public utility

Consistent with the City of Richmond's Environmental Policy Statement, the Richmond Wastewater Treatment Plant (WWTP) is committed to the following principles of conduct set forth in the National Biosolids Code of Good Practice. The WWTP will focus its available resources to produce Class B biosolids. Further, it shall be the position of the WWTP to promote and practice the beneficial use of biosolids and the reuse/recycling of resources. The WWTP will strive to maintain, improve and protect the environment through its treatment/production of biosolids. The WWTP will make every effort to insure that the public is not endangered or inconvenienced by the treatment/production of biosolids at the WWTP or application sites. The WWTP shall obey all applicable federal, state, county and local laws, rules and regulations.

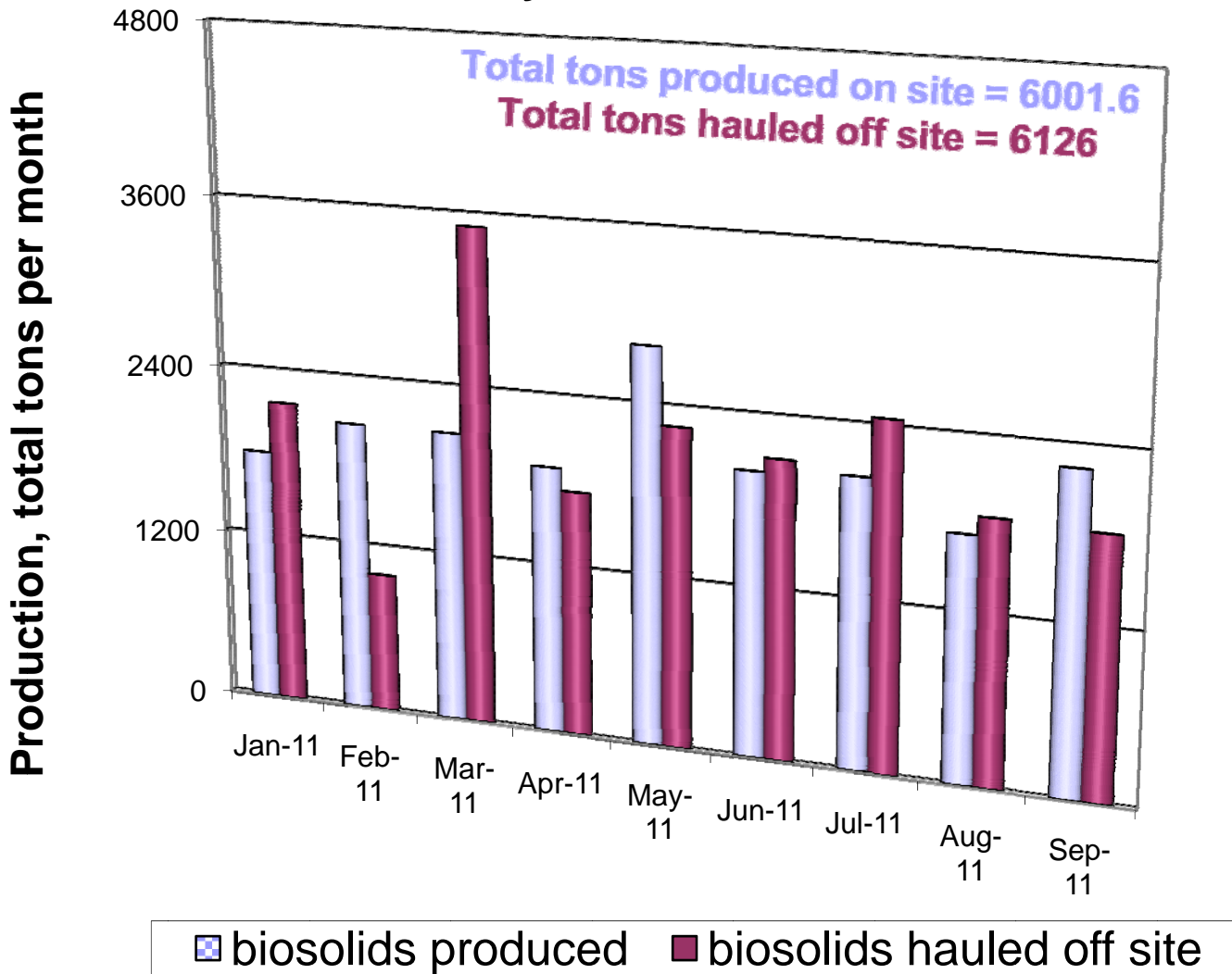
A handwritten signature in cursive script that reads "Willie R. Horton".

Willie R. Horton, Deputy Director

During the period of July-September 2011, the total ton produced was 6001.6 and contractors hauled 6126 wet tons of biosolids off-site. The chart below shows the amount of wet tons produced and the amount hauled off-site. The average % solids is 26.8% for this period.

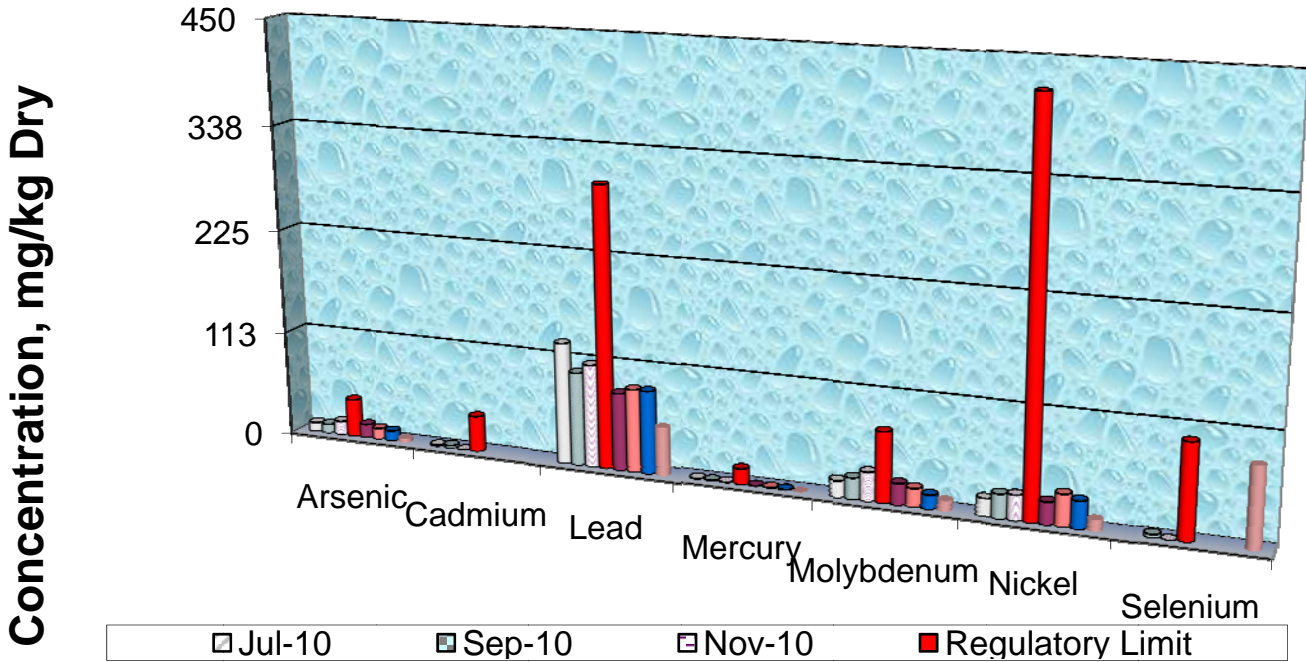
The City of Richmond ensures the biosolids we land apply are safe for the public and environment. Biosolids are monitored regularly to ensure they are well within the EPA Exceptional Quality Standards.

Monthly Biosolids Production

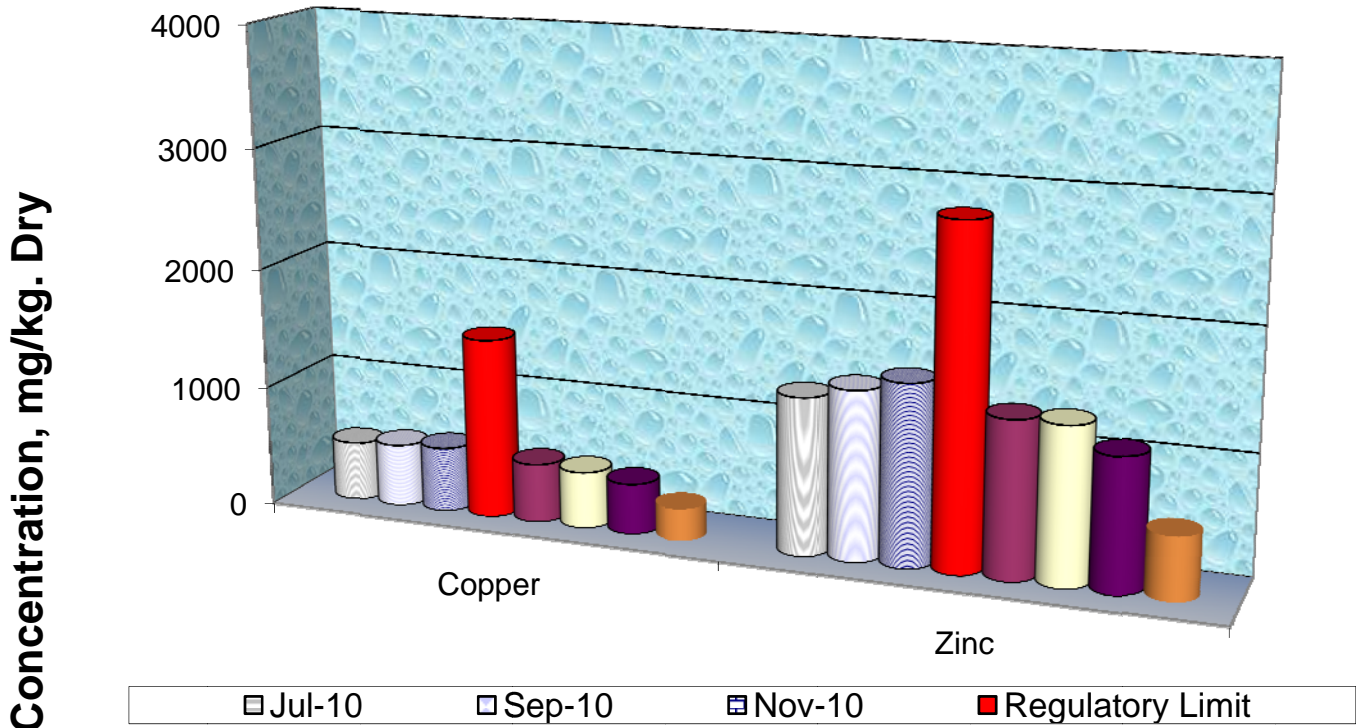


The graphs below show results for EPA regulated heavy metals for Richmond's biosolids from July, 2010 through September 2011.

2010-2011 Biosolids Metals



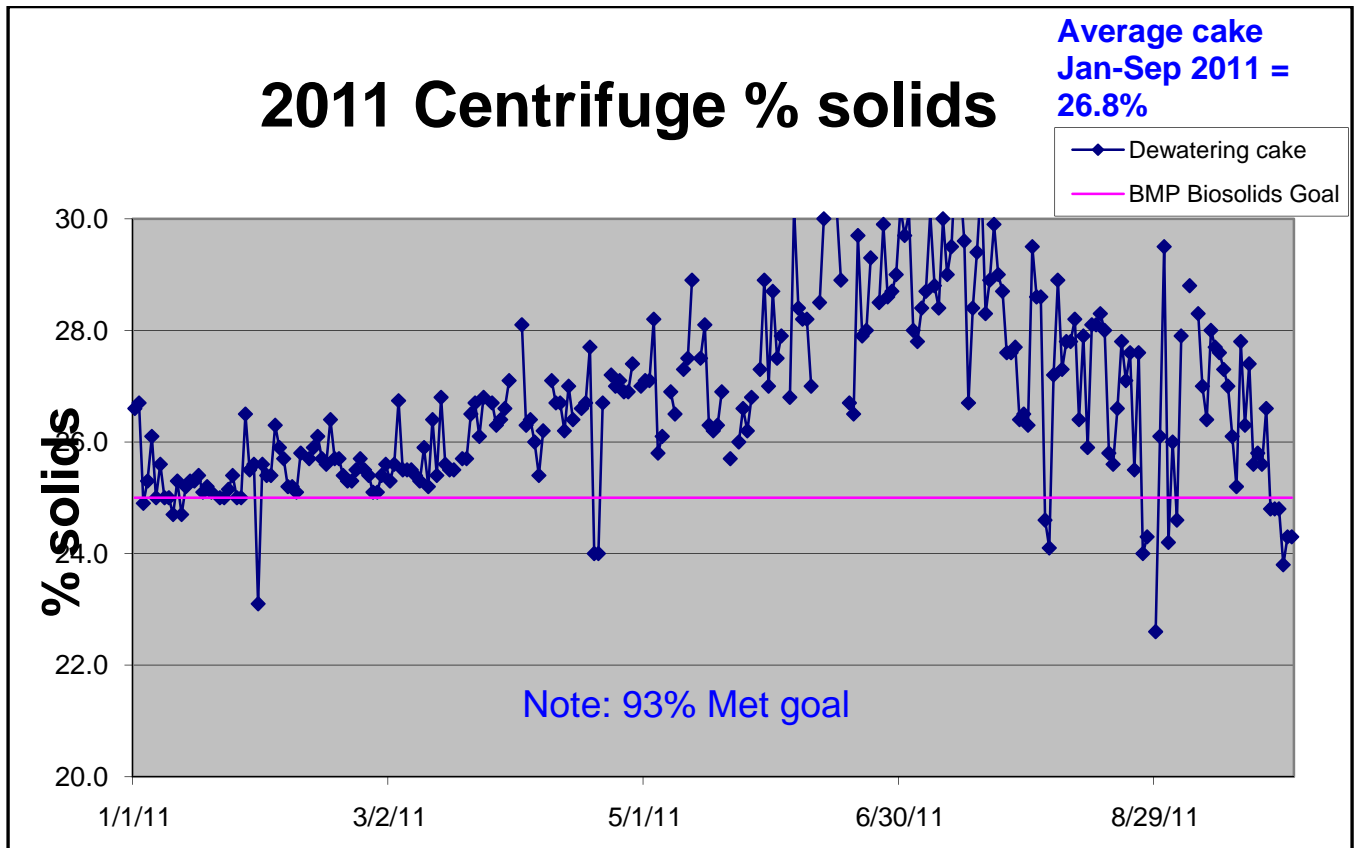
2010-2011 Biosolids Metals



The City's contractor met all regulatory and followed best management practices in addition to the working relationship with contractors continues to improve as evidenced by voluntary cooperation of fees in response to current economic conditions.

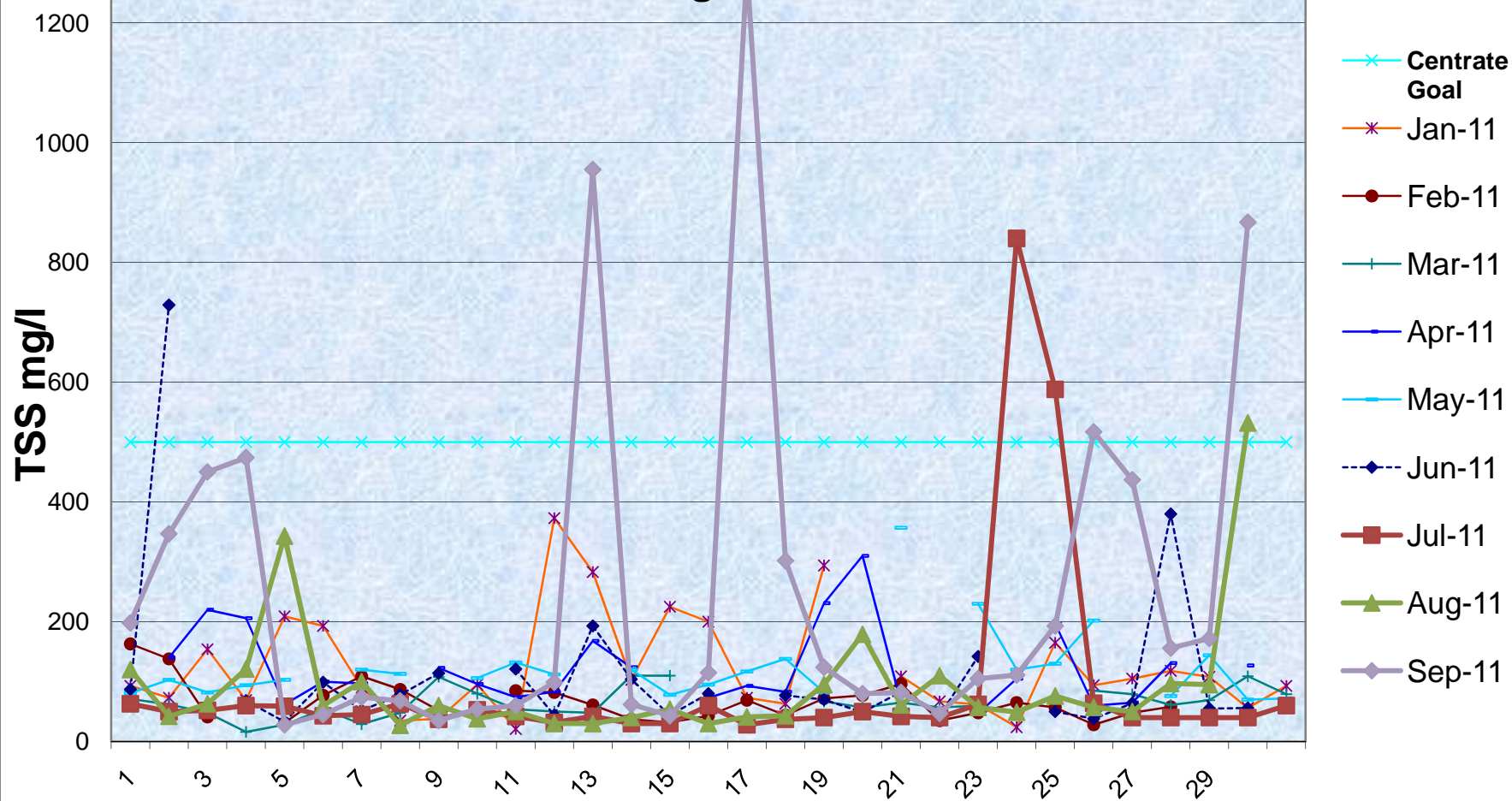
On December 2010, the Biosolids Management Program BMP has set 25% solids as goal for the biosolids produced in order to lower the hauling cost.

The second goal was set for the centrate to be below 500 mg/l, the graphs below show the result achieved from Jan to September 2011 for the % solids and the centrate concentration en Total Suspended Solids TSS. As shown in the graph, we have met 93% of our goal for the % solids with an average cake of 26.8 %, and 96.8% for the centrate TSS.



Dewatering Centrate 2011 TSS mg/l

96.8% met goal



Update:

1-Following the NBP updates, the City of Richmond wastewater treatment facility Updated all sections of the document including the Code of Good Practice and the Elements, to reflect the name change from "EMS for Biosolids" to "Biosolids Management Program" or "BMP.

2- Mr. Willie Horton takes over for Robert Steidel who was promoted to director. As deputy director he revised the biosolids policy on October 2011.

3-October 27th through the 28th, the City of Richmond wastewater plant will conduct an internal audit. The audit team includes Donald Carter, Jan Wyatt and Audrey Brubeck.

4- November 28 through December 2nd, an external audit will be lead by Mr. Bill Hankuff Lead Auditor, NSF International Strategic Registration, Ltd.