



Case Study: Northern California Landfill – TSS Reduction



Downstream detention pond effluent testing showed a TSS level of 135 mg/l.

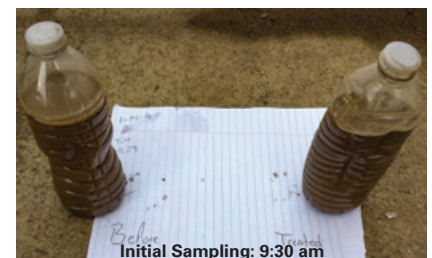
The new CA Industrial Permit has imposed effluent limitations that permittees are finding difficult to comply with. Recently, a Northern California Landfill Company graded a new storage yard that they left unpaved.

Stormwater from this new storage area along with the water from an existing transportation yard is collected in a downstream detention pond where effluent is tested for various constituents. Readings on January 13, 2016 resulted in a Total Suspended Solids (TSS) level of 135 mg/l.

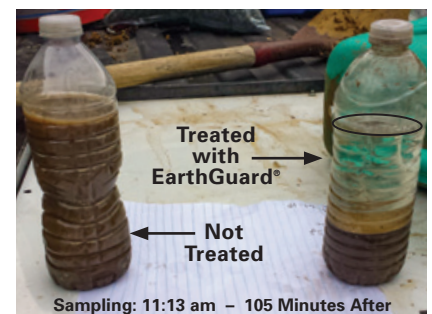
Because this facility is part of a larger landfill, the site's environmental manager wanted to reduce loading coming from this area in order to satisfy effluent limitations at the landfill outfall. The more he could cut down TSS at this facility, the better off he would be downstream.

LSC Environmental Products was contacted to help with the issue.

During a site meeting, a free consultation service offered by LSC Environmental Products, water samples were taken and flocculation jar testing was conducted. The results clearly demonstrated that the product of choice for the bin yard was EarthGuard®.



Initial sampling showed TSS levels that were unacceptably high.



Flocculation jar testing showed that EarthGuard® would reduce TSS levels dramatically.



Highly Effective. Cost Efficient.

How EarthGuard® Works:

EarthGuard® is a liquid spray-on product that can be applied with a water truck to stabilize unpaved areas to control TSS, heavy metals, nutrients, dust and erosion. EarthGuard® requires no set up time and can be sprayed during a rain event. Application Rate 3-10 gal/ac.

Please Visit: www.LSCenv.com

On Jan 14, EarthGuard® was applied on the 1 acre in less than 1 hour with a water truck owned by the landfill. It is important to note that EarthGuard® does not require special equipment for its application and does not harm it either. A rain event hit the site the following day on Jan 15th.

According to the environmental manager, **"It looks like the EarthGuard® we put down is helping, as our TSS has dropped considerably."**

Effluent was tested at the outfall of the detention pond.

RESULTS: TSS = 47 mg/l

Not only did do its job in the bin yard but the **overall TSS from the detention pond was reduced by 187%.**



EarthGuard® was applied to the entire 1 acre site in under 1 hour with a standard water truck.

For technical services or to locate your nearest EarthGuard® dealer:



Call: **1-800-800-7671** • Email: Sales@LSCenv.com

Visit LSC online at: www.LSCenv.com

LSC Environmental Products, LLC

2183 Pennsylvania Ave., Apalachin, NY 13732



Information and statements herein are believed to be reliable but are not to be constructed as a warranty or guarantee. Some extreme situations may require higher application rates. LSC Environmental Products, LLC offers no warranties, express or implied. Nothing herein is to be taken as permission to practice any patented invention without a license. EarthGuard® is a registered trademark of LSC Environmental Products, LLC. All rights reserved. © 2019 LSC Environmental Products, LLC