

Vallejo, California

Vallejo Sanitation and Flood Control District

Vallejo, California, founded in 1844, was twice named the state capitol and established itself by being an important shipping and naval center. A strong economy has meant continuing prosperity for Vallejo. The City's government and local residents work hard to bring new business to the area and to preserve their city. Vallejo Sanitation and Flood Control District worked with CH2M Hill to support these efforts by installing the RDP Tekkem Slaking System to ensure the best quality biosolids land applied to the District's 2,000 acre farm.



RDP Technologies, Inc.®

*2495 Boulevard of the Generals, Norristown, PA 19403
(610) 650-9900 phone, (610) 650-9070 fax
www.rdptech.com*



Hi! I'm John Parmenter, Wastewater Operations Supervisor.
I would like to take you on a tour of our RDP Tekkem Lime Slaking System

John Parmenter

- Wastewater Operations Supervisor

Ronald J. Matheson

- Director of Plant Operations and Facilities Maintenance Operation

Plant Phone Number (707) 644-8949



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The System begins with unloading lime into one of two identical 45 ton Storage Silos.



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Each silo sits on four load cells and provides us with a very accurate quantity of tons of lime remaining in each silo.



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Each Slaker has a feed screw conveyor that conveys the lime into the Slaker in about 2 - 3 minutes per batch.



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The Slaker sits on 3 load cells and is the heart of the Slaking System. Notice how clean the inlet flapper is due to the Slaker Dust Arrestor.



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The Slakers protrude through the Slaking room floor and gravity discharge into the Slurry Aging Tanks. Each Slurry Aging Tank holds 2^{1/2} batches of slaked lime. This allows the pumping loop system to operate continuously. Wemco Torque Flow[®] pumps are used for the Slurry Loop System.



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Lime Slurry is then added to the suction side of their Hidrostal Pump[®]. The Hidrostal Pump[®] then transfers the sludge/lime mixture into one of two exterior liquid storage silos. The sludge/lime mixture is then dewatered by the Belt Filter Presses and is land applied as Class B.



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Thanks for taking a tour of our
Tekkem Lime Slaking System.



Call us if we can answer any further
questions or visit our website at
www.vsfcd.com



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