

**CITY OF VINELAND
DEPARTMENTAL REQUEST**



**WINDOW CONTRACT
(\$17,500 - \$36,000)**

1. NATURE OF REQUEST: Hydrated Lime for Water Treatment

2. ENGINEER'S ESTIMATE: \$ _____
(If Engineer's Estimate has been prepared by anyone other than the person signing this form, please attach a copy of said Engineer's Estimate.)

3. AMOUNT BUDGETED FOR THIS REQUESTED ITEM: \$ 32,000.00

4. BUDGETED ITEM: YES NO
(If no, is it an ordinance authorized material, service or supply?)
YES NO ORDINANCE NO.: _____

(B) Please identify the page number and line item appropriation sub-account:
Budget Page No. W5b Account No. 003-0-43-80-8002-2-5023030

5. Check here if:
Federal Funds State Funds UEZ Funds Davis Bacon Requirements

(If any of the above are checked, the project must be monitored by the department for compliance with prevailing wage rate policy and procedures.)

6. Date to be Advertised: July 8, 2014

7. Date to be Received: August 12, 2014

8. Date to be Awarded: September 9, 2014

9. Special Conditions or Instructions: One year contract with option for second year

10. The following must be attached:

- Summary of Project
- Specifications
- Plans (if applicable)
- Bidders Mailing List (with emails of the vendor)

11. Specifications Prepared by: Bill Kennedy, Asst. Superintendent x4757 WSK
(NAME, TITLE AND EXTENSION NUMBER)

12. Approved by: [Signature]
SIGNATURE (DIRECTOR, DEPARTMENT HEAD, SUPERVISOR)

Send copies to:
Purchasing Department
Business Administration

Summary of Project Hydrated Lime for Water Treatment

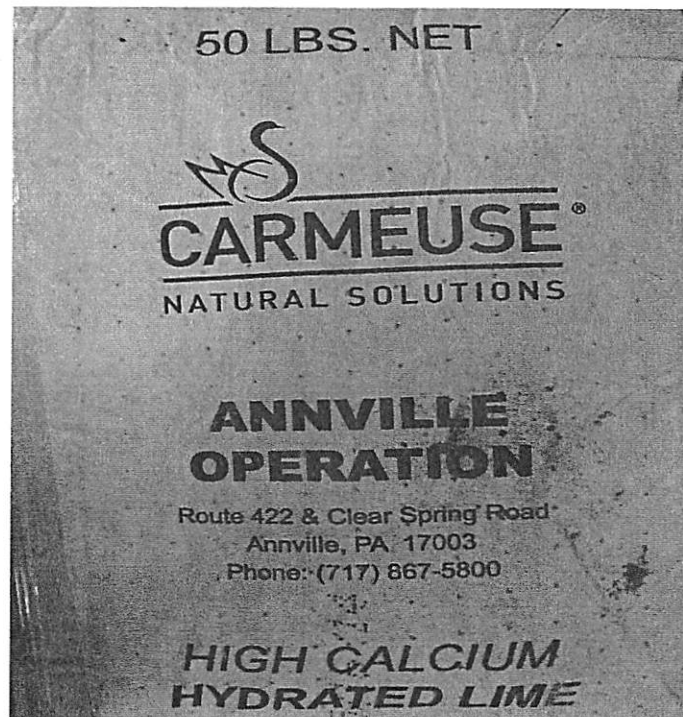
Hydrated Lime for drinking water treatment, Lime products soften water by removing carbonate and non-carbonate hardness. This purifies the water for consumption, provides better tasting water and allows soap products to lather readily.

In treating drinking water, lime products have many attributes including the following:

- Adjusting pH to optimize drinking water treatment processes.
- Acting as natural coagulants that aid in solids settling.
- Ensuring pH and alkalinity are correct in order to optimize coagulation and flocculation solids removal.
- Adding alkalinity and raising pH with membrane treatment and protecting distribution pipes from corrosion.

Lime is delivered by trailer to the Water Utility Service Building lime storage area where it sits indoors safe from the elements until it is needed for water treatment at 12 Water Utility Treatment Stations though out the City.

Current Stations using Hydrated Lime: Wells (2,3) 311 N. West Ave, Well 4 at 912 Michigan Ave, Well 5 at 330 E. Walnut Rd, Well 6 at 591 N. Valley Ave, Well 7 at 423 N. Mill Rd, Well 8 at 1633 Magnolia Rd, Well 9 at 832 W. Walnut Rd, Well 10 at 3353 N. Delsea Dr, Well 11 at 615 N. Brewster Rd, Well 12 at 2180 Helen Ave, Well 13 at 936 Magnolia Rd (currently inactive) and Well 14 at 2390 W. Weymouth Rd.



Sample of Hydrated Lime 50 lb. Bag for Water Treatment – Photo for reference only