

# Agenda

Virginia Paving Community Meeting

Tuesday, October 5, 2010

6:30 PM

Charles E. Beatley, Jr.

Central Library

5005 Duke Street

- |      |  |                  |
|------|--|------------------|
| I.   | Welcome  | Va Paving        |
|      | History, background  | Va Paving / City |
| II.  | Update on Compliance with SUP Conditions   | Va Paving        |
|      | <ul style="list-style-type: none"><li>• Natural gas installation &amp; SUP minor amendment</li><li>• Operations: 2010 production &amp; projects, night operations, projections.</li><li>• Stack Testing</li><li>• Summary of Complaints and Hotline</li><li>• Tank Replacement</li><li>• Update on Community Involvement</li></ul> |                  |
| III. | Issues/Concerns  | Public           |
| IV.  | Comments   | Public           |
| V.   | Discussion of continued communication and next steps   | Va Paving        |
|      | <ul style="list-style-type: none"><li>• Sign up list for contact</li><li>• Sign up for plant tour (flexible)</li></ul>   |                  |

## HANDOUTS:

Sign In & Contact List

Plant Tour Sign Up

## **I. Plant/Projects/Personnel**

- a. Operating at the same location in the City of Alexandria since 1960
  - i. VPC purchased facility in 2001
- b. Build and maintain area roads
  - i. In 08, 3-out-of-4 projects were government-related
  - ii. Springfield Interchange, Beltway, GW Parkway, Woodrow Wilson Bridge, HOT Lanes, GW Parkway
- c. One of the few remaining manufacturing businesses in the City
- d. 175 good paying jobs, excellent benefits
- e. DC-area has the 2<sup>nd</sup> worst traffic in the nation (Source: Texas Transportation Institute)
  - i. Night operations equates to less daytime tie-ups/traffic

## **II. Production Data**

- a. 100 night time shift limit (31 in 2009), (50 in 2008)
- b. 275,000 tons night limit (16,500 in 2009), (48,500 in 2008)
- c. 850,000 tons limit (245,000 in 2009), (546,000 in 2008)

## **III. Highlights**

- a. Facility features/improvements prove industrial uses can coexist with residential communities
  - i. 24-hour hotline
  - ii. VPC Liaison Committee (residents, company, City)
  - iii. Full-time City Inspector
  - iv. Regular stack-testing
  - v. Company submits daily and weekly reports to the City
  - vi. Air quality data collected from City monitoring station has concluded that PM-10 concentrations remain well below the National Ambient Air Quality Standards (Source: 2/11/09 City of Alexandria Memo on Asphalt Plant Update)

## **IV. Rail**

- a. For each ton-mile of freight moved by rail rather than highway reduces greenhouse gas emissions by two-thirds (Source: Association of American Railroads.)
  - i. In '07 and '08, took some 24,700 truck loads off the highways
  - ii. One 10' wide by 40' long rail car holds 100 tons of stone. One delivery truck holds 26 tons of stone.

## **V. Recycled Fuel Oil**

- a. Over the last two years, the location purchased 1,000's of gallons of recycled fuel oil, in the process helping to reduce the industry's dependency on virgin fossil fuels
  - i. Local reusable resource collected from 200+ businesses in the City of Alexandria

## **VI. Recycled Asphalt Pavement (a.k.a., RAP)**

- a. In two years, this branch recycled hundreds-of-thousands of tons of old road—asphalt that went back onto Virginia’s roads instead of into Virginia’s landfills
  - i. Increasingly, mixes are designed with higher % of RAP
  - ii. The most recycled product in the US (above glass, paper)

## **VII. Tier-3 Dump Trucks**

- a. A new fleet of ultra low sulfur diesel (ULSD) clean emission Tier-3 dump trucks is helping to eliminate 100’s of tons of pollutants, including carbon emissions linked to global warming
  - i. In ’07 and ’08, invested more than \$1.1 million for 13 new dump trucks
    - 1. 2007, four were purchased totaling \$396,238
    - 2. 2008, nine were purchased for \$784,198
  - ii. According to the EPA, ULSD dump trucks are 90 percent cleaner than most heavy-duty trucks, greatly reducing harmful emissions of particulate matter

## **VIII. Blue Smoke Technology**

- a. High-efficiency cartridge mist collectors/filter system prevents vapors from escaping into the environment. Once captured, the vapors are condensed into a liquid state and reused
  - i. Purchased two totaling \$1.6 million

## **IX. Storm Water Management System**

- a. The \$500,000 system, which was designed for a 2-hour, 100-year storm, treats all runoff from the 12-acre site. The 120 filters (which cost \$300,000-total) are changed annually (\$20,000 maintenance fee per year). With this system, the Perlite and filters are completely reusable

## **X. Landscaping**

- a. Planted 282 large trees and underbrush over two acres (\$178,000)

## **XI. Future**

- a. Warm Mix
  - i. Technology enables plants to produce/manufacture asphalt at far lower temperatures—requiring far less energy. Timeline: 2-5 years
- b. Natural Gas
  - i. This location is working with City and Virginia officials to install. Has the potential to significantly reduce green gas emissions

## **XII. Q & A**