

February 6, 2008

Anthony Petrucelli, Chair  
Westfield Planning Board  
City Hall  
59 Court Street  
Westfield, MA 01085

Reference: Chicopee Concrete, Summit Lock Road, Westfield

Dear Mr. Petrucelli:

I am writing you on behalf of the Barnes Aquifer Protection Advisory Committee (BAPAC) to provide our comments regarding the proposed site plan for Chicopee Concrete Service located on a 3.44 acre parcel on Summit Lock Road in Westfield. The proponent's engineer Dave Bean of D.L. Bean Inc. presented plans to BAPAC at their February 5, 2008 meeting. BAPAC is composed of representatives from the four jurisdictions in which the Barnes Aquifer is located. The committee was created in 1989 to address developments of regional impact that are proposed within the aquifer to ensure that drinking water resources remain safe for the more-than 60,000 people that it serves.

The proposed site plan includes a 30' wide trap rock gravel driveway, concrete bins for aggregate storage, a concrete apron around the batch plant area with a catchbasin and Stormceptor, a grassy area in the middle of the site and a detention basin with an infiltration trench. The following are our comments:

- All roadways, driveways, delivery and receiving locations, and material storage areas should be paved and bermed so that all stormwater runoff from these pollutant generating areas is directed to pre-treatment prior to infiltration. The proposed site plan allows direct infiltration through a 30'-wide trap rock gravel (TRG) driveway with any sheet flow from that area as well as the paved apron around the batch plant directed to an open grassy area in the middle of the site.
- Although the infiltration trench is being constructed with pretreatment (Stormceptor), infiltration trenches should be avoided in high potential pollutant loading areas and used *only* for uncontaminated rooftop water in Zone IIs according to the Massachusetts DEP Stormwater Handbook. Infiltration trenches promote rapid infiltration of stormwater which reduces the potential for increased pollutant removal through the detention basin floor. Therefore, BAPAC requests that the applicant be held to the highest treatment standards for stormwater infiltration and consider alternative treatment systems appropriate for high potential pollutant loading land uses and Zone IIs.
- The proposed dust collector for the batch plant appears to be an appropriate management practice for reducing fine particulate releases to the air and surrounding area. Nonetheless, the nature of this business is to maintain on-site storage of sand and other aggregate that if not managed properly, could clog the proposed stormwater treatment system.

Infiltration trenches are prone to clogging and malfunction. They are most appropriate for infiltrating particle-free water such as that from a rooftop.

- BAPAC recommends that the owner submit annual maintenance logs for the stormwater management system be submitted to the Water Resources Department.
- As a potentially un-manned facility, it is unclear who will be responsible for closing the gate valve to the detention basin if the system were to malfunction and result in a spill.
- During large jobs, it is possible that front end loaders or other machinery may be kept on site for the duration of the job thus necessitating on-site storage of fuel. Provision for any on-site fuel storage must meet tertiary containment standards as specified in Westfield's Water Resources Protection Ordinance.

Thank for your consideration and the opportunity to comment.

Sincerely,

Michael Czerwiec  
Vice-Chair

cc: Charles Darling, Water Resources Department  
Dave Bean, D.L. Bean, Inc. 40 School Street, Westfield, MA 01085