



May 7, 2009

Mr. Sean Fitzgerald  
Town of Plaistow  
Town Hall  
145 Main, Street  
Plaistow, NH 03865

Re: May 2009 Infiltration Test  
Beede Waste Oil Superfund Site, Plaistow, NH

Dear Sean:

During the week of May 11 and 18, Woodard & Curran (W&C) will be conducting infiltration testing on Parcel 2 of the Beede Waste Oil Superfund Site (the Site) in Plaistow, NH. The EPA and NHDES have reviewed and approved the planned test. An infiltration test involves pumping water into a 10' x 10' shallow infiltration basin, and measuring the percolation rate of water into the ground surface. The test is similar to a "perc" test on a residential property but at a larger scale. We will be pumping water from Kelley Brook for use during the tests. The information gathered from the tests will be used to design the full-scale infiltration basin, which will receive treated water from the groundwater pump and treat system to be installed at the Site. The full-scale infiltration basin will likely be located on Parcel 2.

W&C will construct two (2) test basins at the Site, shown on the attached Figure 1 for reference. Water for the infiltration testing will be obtained from two (2) temporary withdrawal locations within Kelley Brook, also shown on Figure 1. One of the water withdrawal locations is opposite 5 Fran Avenue and the other water withdrawal location is further downstream on Kelley Brook near the abandoned house on Old County Road. We will notify the resident(s) at 5 Fran Avenue prior to starting the withdrawal in this area so they too are aware of the program.

A maximum of 20,000 gallons per day of water will be pumped from Kelley Brook for the testing. This equates to an average flow rate of 0.031 cubic feet per second (cfs), which is insignificant when compared to the April 2009 measured stream flow of approximately 14 cfs at Surface Water Withdrawal Location #1 (Figure 1). Therefore, it is highly unlikely that the water withdrawal will result in any noticeable effect on Kelley Brook. Water will be pumped to the test basins through temporary piping. All pumping and infiltration testing will occur during normal business hours only (8:00 AM – 5:00 PM).

Preparation for the infiltration test will likely begin the week of May 11<sup>th</sup>, with withdrawal from Kelley Brook beginning Thursday May 14 or Friday May 15. The actual infiltration testing will occur the following week, and will last three to four days (May 18 through May 21).

If you should have any questions or concerns regarding the withdrawal from Kelley Brook and/or the infiltration test, please contact Mike Skinner or Peter Nangeroni.



Sincerely,

WOODARD & CURRAN INC.

A handwritten signature in blue ink, appearing to read "Peter E. Nangeroni".

Peter E. Nangeroni, P.E.  
Senior Project Manager

KBS/cb  
218516.01

Enclosure(s):

cc: Jim Brown (USEPA)  
Richard Pease (NHDES)  
Michael J. Skinner (MJS Consulting)  
Jack Dwyer (Beede Site Group)