



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHWEST REGIONAL OFFICE

MEMO

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and

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**DATE** April 20, 2012

**RE** Storage Tank Backlog File Review  
T'NT Enterprises Gas Station  
Facility ID No. 20-90351  
Centerville, Crawford County

## OVERVIEW

I have completed my file review of the T'NT Enterprises Gas Station site (Facility ID No. 20-90351). The site is located at 21779 State Highway 8, Centerville, Pennsylvania on the southwest corner of the State Highway 8 and State Highway 77 intersection. A Site Characterization Report (SCR) was received August 18<sup>th</sup> 1999 due to an Underground Storage Tank (UST) Closure Report that denoted visibly contaminated soil. An additional SCR was received January 16<sup>th</sup> 2001, which further delineated the area of contamination. A Remedial Action Plan (RAP) was received December 27<sup>th</sup> 2001, which was approved as submitted on December 28<sup>th</sup> 2001. The RAP proposed a dual phase extraction system. The system was fully operational in February of 2003. The site has been inoperative since 2005.

The site initially demonstrated exceptional results. However, it seems the site has had little, if any, progress since 2005. As of the most recent Remedial Action Progress Report (RAPR), received August 1<sup>st</sup> 2011, multiple monitoring wells (MWs) are significantly over Statewide Health Standards (SHS) in regards to benzene. MW#1, 2, 4, and 5 all have demonstrated little progression since 2005 with benzene concentrations of 0.233, 0.186, 0.011, and 0.07 milligrams per liter (mg/L) respectfully. MW#5 had a benzene concentration of 0.034 mg/L in 2003, but as of

the last received RAPR had a concentration of 0.07 mg/L. Throughout this period of time there has also been no documented reported releases and USTs remain at the site. A site visit was completed on April 19<sup>th</sup> 2012. The site is still inoperative, but provides power to the remediation system. Upon arriving at the site the computer panel for the remediation system was unlocked, open, and receiving an alarm for "Dry Running". The Radio Shack security auto dialer was also unplugged. There was no attainable cellular service at the site, to contact RAR Engineering Group, so the auto dialer was plugged in and the computer panel was secured with the padlock sitting above the panel box. RAR Engineering was notified of the malfunction on April 20<sup>th</sup> 2012. It is not believe that the system alarm affects the overall site results, since the same results have been provided to the Department throughout the previous 7 years. However, it is an issue that needs immediate attention.

## **RECOMMENDATIONS**

Based upon the information available, the previous attempts at corrective action have failed to bring the site into compliance with the SHS. In addition, the approved RAP did not fully consider the possibilities of soil impact. Based on this information, the responsible party should develop a revised RAP for the Department's approval. A revised SCR may also be necessary to support the revised RAP. The revised RAP and revised SCR should include all applicable elements of 25 Pa. Code Section 245.310 and 245.311, respectively. With groundwater sampling results increasing over time, while active remediation is taking place, there must be underlying issues in some affect at the site. It is my recommendation that the site be re-evaluated with a detailed hydrogeological study. It is my belief that there is an undiscovered source of contamination or an unexcavated smear zone. Currently the site is closed, and I believe it is the most opportune time for site activity. The site should be given 90 days to conduct site characterization activities warranted and submit a revised SCR/RAP.