

# APPENDIX A



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June 30, 2010

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RE: Scope of Work  
Consumers Oil Corp.  
Ewing, New Jersey  
Whitman Project # 94-06-17

Dear Mr. Burns:

Per your request, the following is the scope of work summary for the additional investigation work at the Consumers Oil Corp. site in Ewing, New Jersey.

**Scope of work summary:**

Investigation of USTs, Piping and Dispensers

- A geophysics (ground penetrating radar) investigation will be conducted to confirm the location of the USTs and piping (and any other utilities) before any intrusive work is completed.
- There are three (3) existing 8,000-gallon USTs at the site. A total of ten (10) soil samples will be collected within 5-feet of the USTs. In the event that any samples can not be collected within 5-feet of the tanks due to the presence of underground utilities or other obstructions, the sample will be collected as close to the tank as possible. Given the close proximity of the USTs to one another it will not be possible to collect samples between the tanks. NJDEP and Consumers are in agreement that a variance from the ground water sampling requirements specified in N.J.A.C. 7:26E-3.9(a)3i(1)(A) and (B) is technically appropriate for this case, and therefore, shallow monitoring well(s) or temporary well points will not be required adjacent to the tanks. The soil samples will be collected from around the perimeter of the UST field. One sample will be collected at the end of each tank (total of six samples) and two samples will be collected along the length of each end of the tank field (total of four samples). The soil samples will be collected from a depth of zero to six inches below the bottom of the tanks or zero to six inches above the saturated zone if the tanks are within the saturated zone.

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Environmental and Engineering Excellence from Concept to Completion

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- The total length of UST piping is approximately 110 feet between the USTs and the two (2) dispenser islands. Therefore a total of eight (8) soil samples are required. The soil samples will be collected within two (2) feet of the piping at a depth of zero to six inches below the piping. Four (4) of the eight (8) samples will be collected along the piping in close proximity to the dispensers.

All soil samples will be analyzed for benzene, ethylbenzene, toluene and xylene (BTEX) plus methyl tertiary butyl ether (MTBE) and tertiary butyl ether (TBA) at a NJDEP certified laboratory.

#### Bedrock Well Installation and Sampling

- An intermediate (I) and deep (D) bedrock monitoring well will be installed in the southwestern corner of the Consumers property, southwest of the existing tank field. The total depth, open interval and casing depth for the two wells will be determined in conjunction with NJDEP.
- The two new wells and existing wells MW-1, MW-3 and RW-1 will be sampled a minimum of two weeks after the new bedrock wells are installed. The ground water sampling event will be conducted after the new Lukoil monitoring well is installed and in conjunction with the next comprehensive Lukoil ground water sampling event. All ground water samples will be analyzed for BTEX plus MTBE and TBA at a NJDEP certified laboratory.

#### Reporting

The investigation results will be submitted to NJDEP in the form of an RIR.

Please contact me at (732) 390-5858 if you have any questions.

Very truly yours,



Edward Sullivan, P.G.  
Director of Hydrogeology

cc: Stacey Fineburg, Consumers Oil Corporation  
Cristina Stummer, Esq., Saul Ewing LLP

