

*file SPARTON*



**BLACK & VEATCH**

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Barbara  
FILE  
SI/red/95*

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Sparton Technology, Inc.  
Coors Road Facility  
Albuquerque, New Mexico

B&V Project 26602.0100  
B&V File B  
November 28, 1995

Mr. Mark Weidler  
Secretary  
New Mexico Environment Department  
1190 St. Francis Drive  
P.O. Box 968  
Santa Fe, New Mexico 87504-0968

Dear Mr. Weidler:

Thank you and your staff for meeting with Sparton and its representatives on November 14, 1995. In our meeting, we suggested that further discussion regarding an appropriate remedy at the site would be helped if we had a better appreciation of the NMED's position on certain subjects. This information will allow us to better understand your concerns and their basis. Through such inquiry, we may also find that one or the other of us has certain misperceptions that can be easily corrected. Hopefully, by better understanding your position and getting any factual disagreements out of the way preliminarily, we can more easily discuss what should be an appropriate remedy. We would very much appreciate it, therefore, if you, or someone on your staff, could answer the following questions for us:

1. What risks do you believe are presented to those who work or live in the area over the plume?
2. What risks do you believe are presented to public water supply systems by the impacted groundwater and why?
3. Do you believe that non-aqueous phase liquids are present in the saturated or unsaturated zones; are they moving; and what is the basis for your conclusions?
4. Why do you not believe that natural attenuation is occurring in the impacted groundwater?
5. How do you go about determining the number of wells that are necessary to define the plume horizontally and vertically; that is, what amount of uncertainty are you willing to accept?
6. What is your basis for believing that advection is the dominant transport mechanism in the plume, instead of diffusion?

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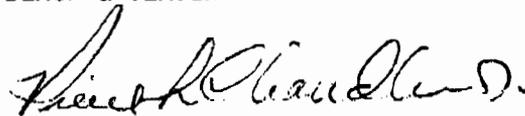
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7. What is your estimate as to the length of time it will take to restore the groundwater, using SVE and pump and treat, and how did you reach that conclusion?
8. What do you believe the total cost of restoration will be, and how did you reach that conclusion?
9. Are you willing to accept containment in the upper flow zone only?
10. What do you believe are feasible options for dealing with extracted water (from a pump and treat system), and what do you base those conclusions on?
11. What information do you have to suggest that SVE will have any beneficial impact in restoring the groundwater?
12. What do you understand the concentration gradients in the plume tell you about how constituents of concern are transported in the groundwater?
13. Do you envision the pump and treat remedy being undertaken through continuous or pulse pumping and why?

If these questions are unclear or you need further input, please do not hesitate to call us. These questions may be more appropriate for your staff; however, it is not clear to us who the contact person should be.

Very truly yours,

BLACK &amp; VEATCH

Pierce L. Chandler, Jr.  
Project Manager

bk

cc: Mr. Jan Appel, Sparton  
Mr. Jim Harris, Thompson and Knight  
Mr. Rich Virtue, Taichert, Wiggins, Virtue & Najjar



**FAX TRANSMISSION SHEET**

**U.S. EPA, REGION 6  
ENFORCEMENT DIVISION  
HAZARDOUS WASTE ENFORCEMENT BRANCH  
TECHNICAL SECTION**

**TRANSMISSION DATE: November 30, 1995**

<b><u>TO:</u> Ron Kern NMED</b>	<b><u>Phone #:</u> 505-827-1560</b>	<b><u>FAX #:</u> 505-827-1544</b>
<b><u>FROM:</u> Vincent Malott (6EN-HX)</b>	<b><u>Phone #:</u> 214-665-8313</b>	<b><u>FAX #:</u> 214-665-7446</b>
<b><u>CC:</u></b>	<b><u>Phone #:</u></b>	<b><u>FAX #:</u></b>

**Total Number of Pages: 3 If all pages were not received, please contact the sender.**