Department of Energy
Oak Ridge Operations
Weldon Spring Site
Remedial Action Project Office
Route 2, Highway 94 South
St. Charles, Missouri 63303

October 29, 1990

Mrs. Leo Drey
515 West Point Avenue
University City, Missouri 63130

Dear Kay:

Enclosed please find our response to your requests of October 4, to Jim McKee. Frankly, I am disappointed at the tone of your letter which suggests that we are less than responsive to your requests. In fact, I believe that the opposite is true. Nevertheless, as always, we are happy to provide information that clarifies issues and helps further an understanding that we are making sound, safe proposals. We have attempted to accurately interpret all of the requests that are enclosed in your letter. If you feel that our response is less than all-inclusive then please submit, in writing to me, anything we have missed.

To cover the major points:

1. Enclosed is a copy of the Responsiveness Summary for the EE/CA on the Quarry Water Treatment Plant. We expect to submit an application for the treatment plant construction permit in early November. Work that is currently underway at the quarry is not subject to this permit.

2. Several of your questions on bench-scale tests seem to overlap. In the interest of trying to answer all questions we have enclosed a draft copy of the Engineering Design Report for the facility. Actual quarry water was used for the bench scale tests that were performed. Bench scale testing of the ion exchange component of the system was not considered necessary based on proven results in industrial applications. Addressing your comment that "several chemical engineers" recommend a pilot scale test, there are several very good reasons that such a program is not appropriate nor necessary for this operation. I would suggest that your consultants should discuss this issue with our technical staff and I am confident that they will then agree with us on this issue.

I am not sure that I understand your question on treated water monitors, however, I believe the appropriate answer is that all treated water will be tested by qualified laboratories to determine the NPDES discharge limits have been met.

3. Regarding the hydrant test for the Southeast Drainage I have enclosed an updated copy of the procedures protocol that is being used for the test. As with most tests of this nature it is likely that modifications will be made during the test period as field conditions/findings demand. The enclosed updated procedure reflects changes made since the first phase of the test program. Regarding your request for the results of this test I would suggest that you keep in touch with us and submit your request again once the test is complete. This approach should allow us to promptly respond to your request at the time it is made.

4. The DOE will have a monitor at the Missouri River where the Southeast Drainage empties. The site NPDES permit (MO-010770) for outfall 007 (Site water treatment discharge) states on page 10:

> "Note 1: Monitoring of this outfall shall occur both at the point of discharge to the Southeast Drainage and at the point where the Southeast Drainage enters the Missouri River."

Monitoring requirements are shown on pages 8, 9 and 10 of that document.

I trust that this response fulfills your requests. You commented at some length on the requirements of NEPA however because you raised no questions I presume the EPA's response adequately addressed your concerns. In order to avoid any confusion in the future, please address all of your correspondence to me.

Sincerely,

Stephen H. McCracken
Project Manager
Weldon Spring Site
Remedial Action Project

Enclosures:
As stated

cc:
Dave Bedan, MDNR
Dan Wall, EPA
Jim Powers, PMC