



## Department of Energy

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00-DOE-00696

DEC - 9 1999

Tom Brunner, Chair  
Rocky Flats Coalition of Local Governments  
8461 Turnpike Drive, Suite 205  
Westminster, CO 80031

Dear Mr Brunner

I am writing this to summarize the results of the discussion that occurred on November 5, 1999, between delegations of the Rocky Flats Environmental Technology Site (Site) and the Rocky Flats Coalition of Local Governments (RFCLOG) regarding the management of concrete rubble from the Building 779 demolition. The Site delegation was requested to conduct a technical briefing to provide additional information and obtain the RFCLOG's input on commitments made by Jessie Roberson to the RFCLOG regarding monitoring of the proposed Building 779 concrete rubble stockpile. The commitments were made in response to the RFCLOG's request for monitoring in addition to that called for in the recently approved *RFCA Standard Operating Protocol (RSOP) for Concrete Recycling* (See letter from Jessie Roberson to Tom Brunner, November 4, 1999.)

As stated in the referenced letter and referring to the monitoring program described in the approved concrete recycling RSOP, "The Site believes the program we currently have in place is based on the technical evidence available, and is protective of public health and the environment." However, we recognize the concerns of the RFCLOG with regard to this demolition, and agree to the additional monitoring to increase the RFCLOG's confidence level.

The Site representatives reaffirmed that these commitments apply only to building 779, and that monitoring related to other building demolitions will be discussed in the future. Many of the RFCLOG's questions revolved around the scope, the number of samples, the statistical design, and the size of the selected "lot." Sample techniques were discussed with all agreeing that a method that minimizes the need for samplers to traverse the pile of concrete was desirable due to concern for personnel safety.

The discussion focused on monitoring of rubble stockpile runoff, sampling of building rubble, monitoring selected personnel and the air during demolition, and sampling of fine particles that accumulate following runoff events.

The stockpile will be bermed to collect and prevent runoff from reaching surface waters. The collected runoff water will be sampled using the Site's incidental water sampling program.



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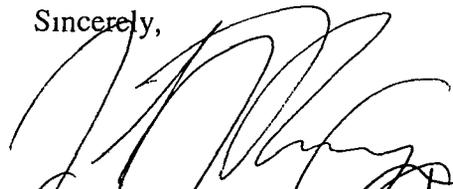
The berms will also confine any "fines" that settle from the concrete stockpile. The stockpile area will be periodically inspected to visually locate areas where fines are collecting. These areas will be surveyed using field radiation detection instruments.

Selected personnel working immediately in the area of Building 779 during demolition will have lapel air monitors that will detect dust and radiation. The Site expects these personnel will be the backhoe operator, the water spray operators, and the field supervisor. The environment will be monitored by using the Site's perimeter monitors. The Site selected monitors would show impacts from the Building 779 demolition. It was determined by modeling that five of the Site's perimeter monitors would be adequate to show the impact. The five monitors will be analyzed weekly to determine if there is an impact on air quality from the demolition.

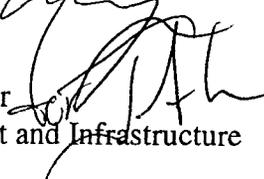
Nine samples will be collected for analysis of contamination as the concrete rubble is being stockpiled after demolition. Before sending the samples offsite, each will be scanned with a field radiation detection instrument. Then each sample will be sent to a lab for a chemical analysis of the radionuclides. The analytical results will be reported in picocuries per gram, and will be compared to the soil action level to determine if any concrete exceeding the threshold was inadvertently stockpiled.

The RFCLOG's efforts to set up this meeting and the input provided to the Site delegation is appreciated. If you have any questions, please contact John Rampe at (303) 966-6246 or Fred Gerdeman at (303) 966-6203.

Sincerely,



Joseph A. Legare  
Assistant Manager  
for Environment and Infrastructure



cc

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