

703 HART SENATE OFFICE BUILDING WASHINGTON, DC 20510-3102 (2021) 224-5521 IN NEW MEXICO —1-800-443-8658 TDO (2021) 224-1792 senator\_bingaman@bingaman.senate.gov

## United States Senate

November 14, 2007

Mr. Richard E. Greene Regional Administrator, Region 6 Environmental Protection Agency 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733

Dear Mr. Greene:

The attached letter was sent to my office by David B. McCoy, Executive Director of Citizen Action New Mexico, and Robert Gilkeson. In the letter, Citizen Action requests my assistance in ascertaining the status of EPA's review of a well monitoring network for a mixed waste landfill and when a copy of the completed technical review will be made available to Citizen Action.

To expedite the process, I respectfully request you respond directly to Messrs. McCoy and Gilkeson with a copy of your response to my attention.

Thank you for your prompt attention to this matter.

Sincerely,

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On April 27, 2007, your office sent a letter requesting that the US Environmental Protection Agency give full consideration to performing a review of the well monitoring network and a New Mexico Environment Department document by William Moats.

A Citizen Action had requested the review in March, 2007. Citizen Action has been in p. touch with EPA Region 6 (Rich Mayer) and are informed that his group finished a technical review of the Mixed Waste Landfill well monitoring network nearly a month

The problem is that the report has been sent to EPA Region 6 legal department and we are now experiencing considerable delays in receiving the report. The lengthy period of time since the report was released to the legal department at EPA raises a concern that the full level of technical concerns will not be present in the final report. The public deserves to have full and timely access to the EPA review of the well monitoring network. We would appreciate it if your office would request the report as written in its entirety by the EPA technical staff. We request that your office ask for the full report to be furnished as soon as possible to your office so we can also be provided with the report.

Collection of Energy has put out an October 31, "Long Term Maintenance and common Plan" for public review that admits to lacking important details for the long that term well monitoring program at the Mixed Waste dump. Citizen Action and the public was need the EPA report in order to respond to the deficiencies in the current monitoring a metwork and on the long-term plan. We are informed by EPA technical staff that they can shared many of the concerns that we raised when we requested the review. Those concerns include:

Monitoring wells in inappropriate locations,

Monitoring wells were drilled with drilling fluids that hide knowledge of contamination;

Screens in the monitoring wells at the MWL are not placed at appropriate levels to detect contamination in the permeable strata below the dump;

Sandia's sampling methods for vapor phase contaminants are flawed due to purging of the wells which can strip the water samples of potential contaminants.

Corroded well screens present since the early 1990s and have properties to hide knowledge of contamination.

The high levels of chromium and nickel contamination in two of the wells is not being investigated and that was brought to EPA's attention.

Citizen Action has recommended in its comments to the NMED that before a Corrective Measures Implementation Plan is approved for the MWL, and before any cover is placed on the dump that the existing monitoring wells at the MWL be replaced with new wells and samples taken to establish an accurate baseline for ground water data. The historical record over the years in the SNL reports of "no evidence of contamination" is technically unsound because of the serious deficiencies with the Sandia groundwater monitoring program.

Of particular note, DOE/SNL knew in May 1991 from the DOE Tiger Team Assessment of SNL that "The number and placement of wells at the mixed waste landfill is not sufficient to characterize the effect of the mixed waste landfill on groundwater."

A May 27, 1994, letter from the NMED to the DOE titled "Comments on the NMED's Review of Ground Water Monitoring at SNL's MWL, Dated March, 1993," states that:

"Mud-rotary is considered to be the worse [sic] drilling technology available to be used for the installation of ground water monitoring wells. Other better drilling technologies were in existence at the time the MWL wells were drilled" (Administrative record for the MWL, vol. 6 p. 006222, number 13).

The wells that were a concern in 1991 And 1994 are still in use and represented as producing reliable and representative water samples which has in fact never been the case. The EPA report will be important toward the goal of achieving protection of the sole source groundwater resource for Albuquerque below the Mixed Waste dump.

Collecting water samples from a properly constructed new network of monitoring wells will provide information as to whether groundwater contamination at the MWL has occurred. New sampling will also provide verification concerning Sandia's prediction that the solvent known as perchloroethylene (PCE) will reach Albuquerque's drinking water supply as early as the year 2010. PCE is a manufactured compound widely used as a metal de-greaser and has been linked with liver and kidney damage, and various cancers in lab animals.

Thank you.

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David B. McCoy, Executive Director

Citizen Action New Mexico

POB 4276

Albuquerque, NM 87196-4276

505 262-1862

dave@radfreenm.org

Robert Gilkeson, Registered Geologist

PO Box 670

Los Alamos, NM 87544

rhgilkeson@aol.com