

STATE OF COLORADO

Bill Ritter, Jr., Governor
James B. Martin, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

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Colorado Department
of Public Health
and Environment

July 21, 2008

Mr. Paul Carroll
AFRPA/DC Reese
9801 Reese Blvd. North, Ste 300
Lubbock, TX 79416

Re: Evaluation of Radiological Parameters, Landfill Zone (Operable Unit 2),
Follow-up to June 10, 2008 submittal and June 23, 2008 phone call
Former Lowry Air Force Base, Denver, CO

Dear Mr. Carroll:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the Division) has received and reviewed the above mentioned document submitted on your behalf by Lowry Assumption, LLC. Based upon our review, the Division agrees that the information presented indicates the source of elevated uranium is naturally occurring with a source related to the geology of the site. The up-gradient and down-gradient waters are chemically similar and the argument that the deeper sample point has a higher concentration of uranium than a co-located shallow sample point demonstrates that the source is not the landfill. In addition, the indices for uraninite and other uranium minerals also support this argument.

We also agree that the current long-term post-closure monitoring plan for gross alpha and gross beta sampling is adequate for the present situation. If future sample results show a significant increase in these levels, greater than two standard deviations, additional analysis may be necessary to further characterize the increased concentrations.

The Division is satisfied that our comments to the previous documents were addressed in this evaluation and we concur that this closes out the requirement for further investigation as part of the RCRA Facility Assessment for the landfill radiological groundwater and surface water sampling which was necessary to determine the source of the elevated sample results.

If you have any questions, please call me at (303) 692-3332.

Sincerely,

Sheila Gaston
Remediation and Restoration Unit
Remediation Program
Hazardous Materials and Waste Management Division
Colorado Department of Public Health and Environment

cc: Pat Smith, EPA-Region 8
David C. Erickson, Denver Department of Environmental Health
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File – Lowry AFB, 1.1