



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT
Governor

CERTIFIED MAIL: RETURN RECEIPT REQUESTED

May 19, 2020

Mr. Jeff Lux, Senior Project Manager
Environmental Properties Management LLC
615 N. Hudson, Suite 200
Oklahoma City, OK 73102

Re: 2020 Groundwater Flow Model Review
Cimarron Environmental Response Trust

Dear Mr. Lux:

Thank you for the subject Groundwater Flow Model Review. DEQ is satisfied with the report.

To recap, the model update was to simulate the effect of extraction wells screened only opposite groundwater containing Uranium at levels higher than the drinking water standard (MCL).

For the Western Alluvial Area (WAA) the 2020 model split the alluvium, which the 2016 model counted as one layer, into two layers of equal thickness. To simulate the fining-upward sequence observed in the alluvium, the 2020 model allocated 75% of the transmissivity to the lower half of the alluvium and 25% in the upper half. For Burial Area 1 (BA1) the 2016 model split the alluvium into 8 layers. The 2020 model evenly allocated 75% of the total transmissivity to the bottom four of those layers, and 25% to the upper four.

Please contact me at (405) 702-5132 if you have questions or wish to schedule further discussion.

Sincerely,

J Paul Davis
Environmental Programs Specialist
Land Protection Division

- c. Bill Halliburton, EPM
Ken Kalman, NRC
John Tappert, NRC



Mr. Jeff Lux
May 20, 2020
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Robert Yalen, U.S. Department of Justice
Hollis Luzecky, EPA
Jennifer Lewis, Office of the Attorney General of Oklahoma
Hillary Young, DEQ LPD
Carol Paden, DEQ WQD
Pam Dizikes, Office of the General Counsel

