November 21, 2008

Mr. Jeff Lux, Project Manager
Tronox Worldwide, LLC
Cimarron Corporation
P.O. Box 268859
Oklahoma City, OK 73126-8859

SUBJECT: CIMARRON CORPORATION REQUEST FOR CLOSURE ON REMEDIATION AND MONITORING IN THE WELL 1319 AREA, URANIUM POND #1 AREA, URANIUM POND #2 AREA, MONITORING WELLS IN OTHER AREAS, AND SURFACE WATER SAMPLING LOCATIONS

In a letter dated August 31, 2007, the Cimarron Corporation (Cimarron) requested closure on several groundwater remediation and monitoring items, which are not related to ongoing groundwater decommissioning in Burial Ground #1, the Western Alluvial Area, and the Western Upland Area. The U.S. Nuclear Regulatory Commission (NRC) staff reviewed this submittal, and by letter dated August 20, 2008, cited specific wells that could be abandoned. Cimarron then provided additional information, by letter of September 5, 2008, regarding the wells that the staff did not cite for abandonment.

The NRC staff reviewed the September 5, 2008, submittal and held a telephone conference with Cimarron on October 28, 2008, to discuss this issue. Based upon our review and discussion with Cimarron, in addition to the wells cited for abandonment in our August 20, 2008, letter, the NRC staff has reached the following conclusions regarding the request for closure:

Well 1319 Area -- Monitoring well 1348 should be sampled and analyzed for total uranium during the 2009 environmental monitoring sampling event. Its total uranium concentration for this sampling event should be plotted with its previous total uranium concentrations so that its trend can be determined. If the current trend is not declining, then this well should be added to the environmental monitoring program and sampled during future sampling events. If the trend is declining, then this well can be removed from the environmental monitoring program and abandoned.

Monitoring Wells in Other Areas -- The licensee has agreed to maintain wells 1344 (down gradient of Burial Ground #1) and T-69 (within the Western Alluvium Area), but these wells will not be in the environmental monitoring program.

Surface Water Sampling Locations -- NRC staff agrees with the licensee that surface water samples, 1201 and 1202 from the Cimarron River, are currently representative of background levels in the Cimarron River. However, the NRC staff believes that it is prudent to sample these sites because groundwater with uranium may be discharged into the Cimarron River. Therefore, these sites (1201 and 1202) should remain in the environmental monitoring program.

It should also be noted that the NRC only regulates radioactive materials and that the licensee should discuss the abandonment of all wells with the State of Oklahoma so that its action are in agreement with State policies.

If you have any questions regarding this letter, please contact me at (301) 415-6664 or by e-mail at kenneth.kalman@nrc.gov.

Sincerely,

/RA/

Kenneth Kalman, Project Manager
Materials Decommissioning Branch
Decommissioning and Uranium Recovery
Licensing Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 70-00925
License No.: SNM-928

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Sincerely,

Kenneth Kalman, Project Manager
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