



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION III
 799 ROCSEVELT ROAD
 GLEN ELLYN, ILLINOIS 60137

PDR
 Nixon 40-2061
 Lets Discuss
 WTC
 Return to:
 396-SS

August 12, 1981

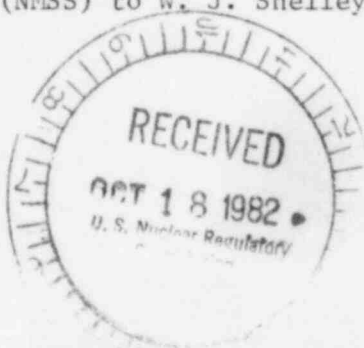
MEMORANDUM FOR: W. T. Crow, Uranium Fuel Licensing Branch, NMSS
 THRU: C. J. Paperiello, Chief, Emergency Preparedness and Program Support Branch
 FROM: M. C. Schumacher, Chief, Independent Measurements and Environmental Protection Section
 SUBJECT: KERR-MCGEE WEST CHICAGO, RADIOLOGICAL HEALTH PROGRAM

Enclosed is the promised copy of Kerr McGee's new Health Physics Manual for West Chicago which was sent to us for approval. The new manual, prepared by Catalytic Inc., is to replace a manual prepared by a previous contractor, Chem-Nuclear Systems Inc. (CNSI) that had been included as Appendix C of a document titled, "Kerr McGee Radiological Health Program, Rare Earths Facility, West Chicago, Illinois." That document was transmitted by licensee letter of August 23, 1979 1/, approved with modifications by RIII letter of August 29, 1979 2/, and incorporated by letter of April 24, 1981 into the facility license 3/.

We have reviewed the revised manual and find it an acceptable replacement for the CNSI Manual. It adequately addresses workers protection and environmental protection for the limited work now underway. However, formal approval should come from you because the current version of the manual is part of the license.

The Region III approval was basically limited to phase 1A work (preapproval site preparation) under the licensees', "Decommissioning and Stabilization Plan," of August 15, 1979. It was not intended to accomodate the full range of demolition and earth moving work proposed in that, as yet, unapproved plan. Our review of the Radiological Health Program including the new version of the Health Physics Manual, indicates that offsite monitoring of such work is not adequately provided for.

- 1/ Letter G. R. Hennigan (KM) to J. G. Keppler (RIII) 8/23/79
- 2/ Letter J. G. Keppler (RIII) to M. C. Locke (KM) 8/29/79
- 3/ Letter R. G. Page (NMSS) to W. J. Shelley (KM) 4/24/81



REGION 10/19/82

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Specifically the number of perimeter sampling stations in the vicinity of building demolition work should be increased. Currently, there are only two, one east and one west, insufficient to cover the extended facade along Factory Street. Additional, strategically placed, portable samplers should be used during significant demolition operations. In addition, use of second movable offsite sampler is recommended. Similarly, when and if earth moving operations begin, increased sampling/monitoring in such areas will be in order.

In summary, the manual and the Radiological Health Program of which it is a part, appear acceptable to protect onsite workers and for environmental protection associated with the limited work now underway and that immediately contemplated ^{4/}, but needs improvement to adequately address significant demolition and earth moving work.



M. C. Schumacher, Chief
Independent Measurements and
Environmental Protection
Section

Attachment:
As stated

cc:
J. A. Hind
A. B. Davis
N. A. Nicholson

4/ Letter W. J. Shelley (KM) to W. A. Nixon (NMSS) 8/4/81

Docket No. 40-2061

William O. Miller, License Fee Management Branch, ADM

MATERIALS LICENSE AMENDMENT CLASSIFICATION

Applicant: Kerr-McGee
 License No: STA-583 Fee Category: _____
 Application Dated: _____ Received: _____
 Applicant's Classification: _____

The above application for amendment has been reviewed by NMSS in accordance with §170.31 of Part 170, and is classified as follows:

1. Safety and Environmental Amendments to Licenses in Fee Categories 1A through 1H, 2A, 2B, 2C, and 4A
 - (a) ___ Major safety and environmental
 - (b) Minor safety and environmental
 - (c) ___ Safety and environmental (Categories 1D through 1G only)
 - (d) ___ Administrative

2. Justification for reclassification: _____

3. The application was filed (a) ___ pursuant to written NRC request and the amendment is being issued for the convenience of the Commission, or (b) ___ Other (State reason): _____

Signature W. F. Clark
 Division of Fuel Cycle & Material Safety
 Date 10/16/82