

February 3, 1982

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE -- PNO-IV-82-02

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by IE staff on this date.

FACILITY: Kerr McGee Nuclear Corp.	Licensee Emergency Classification:
Sequoyah Facility	<input checked="" type="checkbox"/> Notification of Unusual Event
Gore, OK	<input type="checkbox"/> Alert
License: SUB-1010	<input type="checkbox"/> Site Area Emergency
Docket: 40-8027	<input type="checkbox"/> General Emergency
(Uranium Conversion)	<input type="checkbox"/> Not Applicable

SUBJECT: RELEASE OF RADIOACTIVE MATERIAL TO UNRESTRICTED AREAS AS A RESULT OF PIPE RUPTURE

A pipe, running from a raffinate hold tank in the licensee's facility to a holding pond, ruptured during the morning of February 2, 1982, discharging 3000 gallons of liquid to a ditch emptying into the Illinois River. The ditch runs approximately 200 yards from the release point to the restricted area boundary and approximately 200 yards further through licensee property to the river. The licensee obtained water samples at a point near the boundary fence, at the release point to the river, and from the river. The uranium-238 concentration was found to be 90% of the 10 CFR Part 20, Appendix B, concentration for release to unrestricted areas at the fence and 0.02% of the concentration at the point of release to the river. Sample analysis for radium-226 and thorium-230 is pending and not expected before February 8. Concentrations for these radionuclides are expected to be higher than for uranium.

Instantaneous concentrations of these nuclides are expected to exceed Appendix B concentrations in the unrestricted area, however, a violation of 10 CFR Part 20.106(a) is not anticipated. The licensee stated that he would report radium and thorium values when they become available and further submit a full report of the incident. The Region IV office has notified EPA in Dallas and the State of Oklahoma.

No media interest as of this date, but publicity is expected.

Region IV was notified by telephone by the licensee at 2:00 p.m., February 2, 1982.

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PDR I&E  
PNO-IV-82-002 PDR

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OFFICIAL SURNAME	TIB <i>W</i> CCain/de	MRPS <i>JE</i> JEverett	TIB <i>GB</i> GDBrown	PA <i>W</i> CWisner	DRA <i>S</i> KVSeifrit	RA <i>S</i> JTCollins	
DATE	2/3/82	2/3/82	2/ /82	2/ /82	2/3/82	2/3/82	