NRC Form 591			. NUCLEAR REGULA	TORY COMMISSION
(12-8.1) 10 CFR 2.201	SAFETY II	NSPECTION	Dmy	3
1. LICENSEE Werr - Me Gea Con Verr - Mc Geo Center Oblahoma City, O		RIV	egulatory Commiss Orive,Suite 1000 as 76011	
3. DOCKET NUMBER(S) 030-08401 040-08006	4. LICENSE NUMBER(S) 35-12636-6 5013-986	06	5. DATE OF INSPECTION	N
Licensee: The inspection was an examination of the activit Regulatory Commission's (NRC) rules and regular and representative records, interviews, with personal Number 1. Within the scope of this inspection, no violation	ies conducted under your licer tions and the conditions of you onnel, and observations by the	ur license. The inspection	consisted of selective exami	nations of procedures
2. The inspector also verified the steps you he those actions at this time. 3. During this inspection certain of your action that is a notice of violation where the transfer of the transfe	nave taken to correct the violat	in violation of NRC requir	rements.	further questions on .
of a	· · · · · · · · · · · · · · · · · · ·		_ was not properly posted t 10 CFR 20.203(b	
C			of sealed sources were not p	
D. Records of		or License Condition Num		ot properly maintained.
E. Documents were not properly posted F. Reports or notifications of with 10 CFR			4.5	not made in accordance
Н			***	
J	· · · · · · · · · · · · · · · · · · ·			
К				CIJN
I hereby state that within 30 days the actions do This statement of corrective actions is made in a the NRC. 900126012 REG4 L 1:30 35-12:36-04		nts of 10 CFR 2.201. No fe		



REGION IV NUCLEAR MATERIALS SAFETY DRAFT INSPECTION REPORT

Licensee: Kerr-McGree Corporation	Report: 85-0/
1611-McGee Center	License: 548 - 986, 35-12636-04
123 Robert S. Kerr Avenue	Docket: 40-08006 030-08401
Oklahoma City, OKlahana 73125	Category/Priority: $E-3$ $E-5$
Inspection At: 3301N.W. 150 Street OKC OK	Inspection Dates: 12/19/89
Licensee Contact: John Carver RSO	Telephone No. 405)270-2623
Previous Inspection Dates: $6/26/87$	Previous Findings: C/ecr 55/
Type Inspection: Inspection Procedures: Routine Special Unannounced Announced Initial 83822 Radiation Protection 86740 Transportation	92702 Noncompliance Followup 92706 Independent Effort
John Carver RSD Nen Richards President Tech Dumin	
Inspection Findi	ngs
	olations (attached) pplemental information (attached)
Direct Inspection Effort: 4 Hrs.	
Next Inspection Date: 12/92 ☑No	rmal
Inspector: Selvan Rayendras	1/18/90
Approved: Of Calm (18)	,

	INSPECTION CRITERIA	•	Yes N	/A Vio.
1.	Entrance Briefing		,	
	a. Proper licensee address? [LC 10]b. Proper use location? [LC 10]c. Proper users? [LC 12]d. Organization:	2]	(X) (-(x) ((x) () () } ()
Not	es/Remarks: Ken Richards -	President techni	cal Division	
Corpe Frank T	mate RSD Mc Phenon CED John Conver The license SUB-986 NO activities len-Mc Oce test centur. Rest of the	s at all, except the tot pite material had	for the test been transfe	pute at
-	— <i>V</i>		V	
2.	Posting, Labeling, Facilities, and	Security of Materia	als	
	 a. Posting of regs, license, Proc [9.11, 30.7(e), 40.7(e), 70.7(b). b. Areas properly posted? [20.203 c. Containers properly labeled CF d. Materials secured? [20.207,LC e. Facilities as required? [LC	e)] 3] M? [20.203(f)]	(*) ((*) ((*) ((*) () ()) ()) ()) ()
Note	es/Remarks:			
og Ha	The license 35-12636-06 ~ 1 1 the 28 one sic levels of unsealed Some of lived garage Kay so	Sources, 17001 0		
3.	They are hoping that Commanon of 1990. At the coment time the Independent Measurements	al ~ 40 persons	working thes	£,
	a. Unrestricted areas within limitsb. Restricted areas within limitsc. Radiation Measurements:	? [20.203]	(x) (
Not	c. Radiation Measurements: es/Remarks: Measurements were 200 mi cs-137 Telas Nuclear ge The grange and Casty ass	made of the pange at Im	fefed gauges . the reading w	ias. 2 me/h

	INSF	PECTION CRITERIA	Yes	N/A	Vio.
4.	Pers	sonnel Monitoring Control			
	a.	Used as required? [20.202,LC] (1) Type: (×) Film () TLD () Chamber () (2) Feq: (×) M () Q ()	(×)	()	()
	b. c. d. e. f. g.	(3) Processor: () licensee () vendor Landauw Forms NRC-5 maintained? (20.401) Forms NRC-4 maintained? [20.102(b)] Determination of prior dose? [20.102(a)] All exposures within limits? [20.101] Exposures to minors limited? [20.104] Exposures: Typical WB M Max WB 20	X () X X ()	(x) (X) (x)	() () () ()
at pe	40 erfoi	med.	inve	n is	set on was
5.	Faci	lity and/or Field Site Surveys		`.	•
	a. b. c.	Facility Contamination surveys? Facility exposure rate surveys? Other	(×) (×) ()	()	()
					
•	d.	Records maintained? [20.401, LC]	(×)	()	()
Note	es/Rem	All records ON.	2 S#	S# 8	148
		The second control of			

INS	PECTIO	ON CRITERIA	Yes	N/A	Vio.
6.	Rece	eipt, Use, Inventory, and Transfer Material		-	
•	a.	Written procedures for pickup, receiving, opening of packages? [20.205]	(x)	()	()
	b.	Proper receipt records? [30.51(a), 40.61(a), 70.51(b)]	(x)	()	()
	c.	Package receipt surveys? [20.205, LC]	('x')	()	()
	đ.	Records of surveys maintained? [20.401(b)]	(y)	()	()
	e.	Possession of only authorized material? [LC 6-8]	(火)	()	()
	f.	Devices or use of materials as authorized? [LC 9]	(火)	()	()
	g.	Transfers to authorized recipients? [30.41, 40.51, 70.42]	(×)	()	()
	h.	Records of transfers maintained? [30.51(a), 40.61(a), 70.51(b)]	(x)	()	()
	i.	Physical inventories performed as required? [LC]	(×)	()	()
	j.	Records of inventories properly maintained?	(x)	()	()
	k.	Types of materials used: Seuled Sources CS-137, 1		>8 , cd -	109, Am-
		CS-137 fixed gauge H-3 gas chromatogra			
		AC-227 ima, C-14 15 p à H-3 10 p à Na-22 Se 753 mai, S1-90 Imai, S35 5 mai, u-23 8 10 p		P62	10 20 NG
		<u> </u>			· · · · · · · · · · · · · · · · · · ·
					,
7.	Waste	e Disposal			
	a.	Hold for decay/survey/release?	()	()	()
	b.	Release to sanitary sewer?	(x)	()	()
	С.	0ther	(X)	()	()
	¹d.	Records of disposals? [30.51(a), 40.61(a), 70.51(b)]	(X)	()	()
	е.	Records of disposal surveys? [20.401]	(x)	()	()
	f.	Appropriate disposal procedures [20.302]	(x)	()	()
Not	.es/Rei	marks: the Some of the waste are taken to	the	Cema	non
J	Par. 1	It. In disposal & bot sources returned	to	man	ufacture.
1		Santary server limits were with regulators l	emile		
	,	1 1 min regulation	•		
	140 1	Samtany Dewer limits were			

INSPECTION CRITERIA		Yes	N/A	Vio.
8. <u>Leak Tests</u> [LC]				
 a. Performed at proper frequencies? b. Records maintained? c. Proper detection limits and units? d. Performed by authorized individuals? e. Leakage properly reported? 		(*) (*) (*) (*)	(x) () ()	() () () ()
Notes/Remarks: heape tests done by Gulf N	viclear.			
9. Survey Instrument Calibration (LC)			()	
Mfg Moded # Serial #	Calib. Dat	es		·
Eberlini E-120 448	12/87,7/	88 1/8	79,7/8	9
Ludlum 12 Prohe 43-5 46883		8, 1/		
Ludlum 12 3672	12/87, 7/8	1/8	9, ?/	189
				
a. Equipment as required by application? b. Proper calib. frequency? 6 ms c. Proper calib. records? (1) two-points per scale? (2) Performer: () licensee () vendonts Notes/Remarks: Calchaton, at Campagness.	- 4	(XXX) (XXX)		() () () ()

	INS	PECTION CRITERIA	Yes	N/A	Vio.	
10.	Tra	ining and Procedures				
	a.	Appropriate worker training? [19.12,LC]	<u>.</u> (×).	()	()	
	b.	Appropriate radiation safety procedures?	(×)	()	() .	
	c. d.	Appropriate emergency procedures? Personnel understand safety and emergency procedures?	(×) (×) (_×)	()	()	
Note	es/Rei	marks: 8. 29 {8-13 for all the employees when	huid			
	·	marks: 8. 29 {8-13 for all the employees when Biannual training by Caporate RSO for e	veryon	L		
					·	
11.	Not	ifications and Reports				
	a. b.	Reports of thefs or losses? [20.402] Notifications and reports of incidents?	()	(×) (×)	()	
	c. d.	[20.403, .405] Notifications and reports to individuals? [20.409] Reciprocity notifications? [150.20]	()	(メ)	()	
	e. f.	Reports concerning SNM-Form-742? [70.53] Well Logging-Reports of lost sources down-hole?	()	(×) (×)	()	
	g.	(30.56(c), LC) Other:	()	(×)	()	
Note	es/Re	marks:				
	٠	·	, J	X.		
				<u>.</u>		
12.	Spe	cial Requirements				
				()	()	()
			;		e.	
Not	es/Re	emarks:				

INDUSTRIAL/ACADEMIC

13. TRANSPORTATION (10 CFR 71.5a and 49 CFR 171-178)

a.	Licensee makes shipments of RAM? Such Shipments are:	yes (X)	<u>N/A</u>	Vio (
	 () delivered to common carriers? (×) transported in licensee's own vehicle as private carrier? 	en they	take the wa	este fo
,	() both? If a. above is yes, complete following items:	•	, (
b.	Are authorized packages used? [173.415-416] Types used:	(×)	()	()
	() DOT-7A, Type A [173.415(a)]Performance test records on file?() DOT-55 [173.416(a)]	()	()	()
	Licensee aware of 6/30/85 cutoff on use? () Excepted, Instruments/articles [173.421-424 () LSA-strong tight [173.425(b)(1)] () NRC-Certified [173.416(b)]	()	(×)	()
	NRC COC's on file? [71.12(c)(1)] Registered with NRC as user? [71.12(c)(3)] Documented NRC-Approved Q/A program?	()	(メ) (×)	()
	[71.12(b)] NRC Q/A Approval No.: () Other:	()	(×)	()
c. -	Special Form Material performance test records available for each source design? [173.476(a)]	()	()	()
d.	Packages Labeled as required? [172.403(a)] () Excepted () WI (×) YII () YIII			
	Surveys performed to select correct label category and compliance with Rad. limits? [173.474(i)]	(×)	()	()
e.	Packages marked with required markings, i.e., proper shipping name, Spec. No., COC No., etc. [172.300]	(×)	()	· ()
f.	Shipping Papers prepared for each shipment? [172.200]	(×)	()	()
	Such papers contain required information? [172.203(d)]	(×)	()	()
g.	For licensee private carrier shipments: Vehicles placarded as required? [172.500] Cargo blocked, braced, tied down in vehicle	()	()	()
	[177.842(d)] Any incidents reported to DOT? [171.15-16]	()	()	()
h.	Does licensee ship any radwaste? If yes, are shipments:	()	().	()
	 () tendered to common carriers by licensee? () tendered through a Radwaste Broker? If yes, name of Broker 	()-	()	()
· 3 1 .	Is licensee aware of 10 CFR 61 waste generator requirements? [10 CFR 61]	() m 1	. () .	· · () ·
	Has licensee classified and characterized waste?	()	().	()