VOID SHEET

TC: License Fee Management Erancn FROM: <u>Region TF</u> SUBJECT: VOIDED APPLICATION Control Number: <u>46.2341</u> Applicant: <u>Hallibuston le</u>. Date Voidec: <u>4/5/96</u> Teason for Void: <u>Pequested</u> change <u>Muse compliance</u> with 46.2175 <u>into koment 57 deted</u> <u>march 7, 1989</u>. No secured <u>accompliance</u> under theo <u>Mail control under theo</u>

9405060125 900405 PDR ADOCK 03005902 C PDR

Billie Truepensk 4/5/90

Attachment: Official Record Copy of Yoided Action

FOR LAMB USE ONLY

Final Review of VOID Completed:

Refund Authorized and processed wow 333 1 1 No Refund Cue 9 0E:6V 01 880 06. Fee Exempt or Fee Not Required

Comments:

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Log completed Processea by:

M. Rui 4/2/20

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	U.S. NUCLEAR REGU	LATORY COMMISSION	Amendme	nt No. 14	PAGE
	MATERIAI	LS LICENSE	Princ Parina	110 1101 14	
Pursuant to the Atomic Energy Act of 19 Code of Federal Regulations, Chapter I, heretofore made by the licensee, a license source, and special nuclear material desig deliver or transfer such material to perso license shall be deemed to contain the subject to all applicable rules, regulation conditions specified below.	54, as amended, the Ener Parts 30, 31, 32, 33, 34 is hereby issued authoriz mated below; to use such ins authorized to receive conditions specified in Se ns and orders of the Nuc	gy Reorganization Act of 1 , 35, 40 and 70, and in re ting the licensee to receive, material for the purpose(s it in accordance with the ection 183 of the Atomic lear Regulatory Commission	974 (Public Law 9 liance on statemen acquire, possess, a) and at the place(regulations of the a Energy Act of 195 on now or hereafte	3 – 438), and Tit its and represent ind transfer by pro- s) designated belo pplicable Part(s). 54, as amended, it in effect and t	le 10, ations oduct, ow; to This and is o any
Licensee		In accordance v	with letter d	ated	
Halliburton Company		3. License number 35- in its entirety	-00502-04G is / to read as	amended follows:	
2. 1015 Bois D'Arc		Li hanna a			
Duncan, Uklahoma 73533		S. Docket or	rch 31, 1991		
		Reference No. 030	0-05902		
 Byproduct, source, and/or special nuclear material 	7. Chemical and form	I/or physical	 Maximum ar may possess under this lice 	nount that licens at any one time ense	ee
A. As specified in Condition 10.	A. As sp Condi	pecified in Ition 10.	A, Not	applicable	
of this license to p 10 CFR Part 31 or ec State.	versons generally quivalent provisio	incensed pursuant ons of the regulat	ot Section 3 lons of any A	greement	
	× x.				
	* *				
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A RC Forn (5-84)	n 374A	U.S. NUCLEAR REGULATORY COMMISSION	PAGE License number	2 OF PAGE
	MATI	ERIALS LICENSE EMENTARY SHEET	35-00502-046 Docket or Reference number 030-05902	
			Amendment No	. 14
10.	Each device (this license	slurry density meter) distribute shall be in accordance with the	d pursuant to terms following table:	and conditions of
	Device Model Number	Source Manufacturer and Model Number	<u>Isotope</u>	Maximum Activity Per Source (Millicuries)
	10-SD	Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model GS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclea Model NER-572; Texas Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 5690, CDCQ 5701, or CDCQ 6335; 3M Model 4P6D; Hastings Radiochemical Works Model CS-II-A or CS-II-B)	r	15
		No		5

Liene number SUPPLEMENTARY SHEET MATERIALS LICENSE SUPPLEMENTARY SHEET Liene number O30-05902 Liene number O30-05902 Amendment No. 14 Device Model Number Isotope Maximum Activity Per Source (HTTHicuries) 20-SD Sealed Sources (Halliburton CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model SE-2; New England Nuclear Model SE-2; New England Nuclear Model SE-2; New England Nuclear Model SE-2; New England Nuclear Model SE-2; Station Model 375; Amersham/Gamma Industries Model CS-1000; Halliburton Services Model R/A-D; General Nuclear Model SE-SD Cs-137 60 55-SD Sealed Sources (Halliburton CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-11-A or CS-11-B) Cs-137 60 55-SD Sealed Sources (Halliburton CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model S70-57157C; Amersham/Gamma Industries Model SCS-1000 (HP) or V0(HP); U.S. Nuclear Model GT-GHP; Amersham/Gulf Nuclear Model SCS-1000 (HP) or V0(HP); U.S. Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model SCS-1000 (HP) or V0(HP); 60	C Form 374A	U.S. NUCLEAR REGULATORY COMMISSION		PAGE 3 OF 4	PAGES
MATERIALS LICENSE SUPPLEMENTARY SHEET Docket of Reference number 030-05902 Amendment No. 14 10. (continued) Device Model Number Source Manufacturer and Model Number Isotope Maximum Activity Per Source (Hillicuries) 20-SD Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model CS-1000; Gammatron Model CS-1000; Gamma Industries Model S-22; Texas Nuclear Model SC-2000 (HP) or V0(HP); U.S. Nuclear Model 375; Amersham/Gamma Industries Model SC-11-A or CS-11-B) 30 55-SD Sealed Sources (Halliburton CS-1000; Gammatron Model CS-1000; Gamma Industries Model CS-27157C; Amersham/Gamma Industries Model S-21-A or CS-11-B) 60 55-SD Sealed Sources (Halliburton Servicés Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Guif Nuclear Model CS-27. Texas	142		License number 35-00	0502-04G	
Amendment No. 14 10. (continued) Device Model Number Source Manufacturer and Model Number Isotope Maximum Activity Per Source (Hillicurles) 20-SD Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model SC-2; Texas Nuclear Model SC-0000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham/Gamma Industries Model SC-0000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham/Golf Nuclear Model CS-11-A or CS-11-B) Cs-137 60 55-SD Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model CS-1000; Model NEP-S7157C; Amersham/Gamma Industries Model SCS-1000 (HP) or VD(HP);		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference number 030-05902		
Device Model Number Source Manufacturer and Model Number Isotope Maximum Activity Per Source (Hillicuries) 20-50 Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 6503, CDCQ 5701, or CDCQ 6535; 311 Model 4P6D; Hastings Radiochemical Works Model CS-11-A or CS-II-B) Cs-137 60 55-50 Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model CS-2; New England Nuclear Model SC-2; New England Nuclear Model SC-57157C; Amersham/Gamma Industries Model SC-5000 (HP) or VD(HP); 60			Ameno	dment No. 14	
 10. (continued) <u>Device Model</u> <u>Source Manufacturer</u> <u>Isotope</u> <u>Maximum Activity</u> <u>Per Source</u> (Hillicurtes) 20-SD Sealed Sources (Halliburton Cs-137 30 Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 6505, CDCQ 5701, or CDCQ 6335; 31 Model 4P6D; Hastings Radiochemical Works Model CS-11-A or CS-11-B) 55-SD Sealed Sources (Halliburton Cs-137 60 Services Model R/A-D; General Nuclear Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model CS-177C; Amersham/Gamma Industries Model SC-2; New England Nuclear Model SC-2; New England Nuclear Model SC-2; New England Nuclear Model SC-2; New England Nuclear Model SC-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 276; 					
Device ModelSource Manufacturer and Model NumberIsotopeMaximum Activity Per Source (Hillicuries)20-SDSealed Sources (Halliburton Services Model R/A-D; General Nuclear Model GT-GHP; Amersham/Gauff Nuclear Model SCS-1000; Gammatron Model GT-GHP; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 6335; 3M Model AP6D; Hastings Radiochemical Works Model CS-11-A or CS-11-B)0055-SDSealed Sources (Halliburton CS-1000; Gammatron Model GT-GHP; Amersham/Galf Nuclear Model SCS-1000; Gammatron Models CDCQ 6335; 3M Model AP6D; Hastings Radiochemical Works Model CS-11-A or CS-11-B)0055-SDSealed Sources (Halliburton General Nuclear Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model CS-2; New England Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model SCS-1000; Gammatron Model GS-1000; Gammatron Model Model SS-1000 (HP) or VD(HP); H SS Nuc	10. (continu	ed)			
 20-SD Sealed Sources (Halliburton Cs-137 30 Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 6590, CDCQ 5701, or CDCQ 6335; 3M Model 4P6D; Hastings Radiochemical Works Model CS-11-A or CS-11-B) 55-SD Sealed Sources (Halliburton Cs-137 60 Services Model R/A-D; General Nuclear Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model S70-57157C; Amersham/Gamma Industries Model S70-57157C; Amersham/Gamma Industries Model S70-57157C; Amersham/Gamma Industries Model SCS-1000 (HP) or VD(HP); U.S. Nuclear Model 276; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); 	Device Model Number	Source Manufacturer and Model Number	Isotope	Maximum Activity Per Source (Millicuries)	
55-SD Sealed Sources (Halliburton Cs-137 60 Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model NER-572; Texas Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP);	20-SD	Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model NER-572; Texas Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 5690, CDCQ 5701, or CDCQ 6335; 3M Model 4P6D; Hastings Radiochemical Works Model CS-II-A or CS-II-B)	Cs-137	30	
Amersham Corporation Models CDCQ 5690, CDCQ 5701, or CDCQ 6335; 3M Model 4P6D; Hastings Radiochemical Works Model CS-II-A or CS-II-B)	55-SD	Sealed Sources (Halliburton Services Model R/A-D; General Nuclear Model CS-1000; Gammatron Model GT-GHP; Amersham/Gulf Nuclear Model CS-2; New England Nuclear Model NER-572; Texas Nuclear Model 570-57157C; Amersham/Gamma Industries Models CS-1000 (HP) or VD(HP); U.S. Nuclear Model 375; Amersham Corporation Models CDCQ 5690, CDCQ 5701, or CDCQ 6335; 3M Model 4P6D; Hastings Radiochemical Works Model CS-II-A or CS-II-B)	Cs-137	60	

NAC Form	374A	U.S. NUCLEAR REGULATORY COMMI	ISSION	PAGE 4 O	F 4 PAGE	
(5-84)			License number	00502-040		
		MATERIALS LICENSE	Docket or Refer	ence number	and a second second	
		SUPPLEMENTARY SHEET	030	-05902		
			Ame	Amendment No. 14		
10.	(cont.	inued)				
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Devic	ce Mode	and Model Number	Isotope	Maximum Ac	tivity	
nui	iber	and Houer Humber		(Millicu	ries)	
				200		
100-3	SD.	Sealed Sources (Halliburton	Cs=137	120		
		General Nuclear Model				
		CS-1000; Gammatron Model				
		GT-GHP; Amersham/Gulf Nuclear				
		Model CS-2; New England Nuclear	r			
		Model NER-572; lexas Nuclear Model 570-571570:				
		Amersham/Gamma Industries				
		Models CS-1000 (HP) or VD(HP);				
		U.S. Nuclear Model 375;				
		Amersham Corporation Models				
		CDCQ 5590, CDCQ 5701, or				
		Hastings Radiochemical Works				
		Model CS-II-A or CS-II-B)				
11.	This	license does not authorize possessi	on or use of li	censed material		
12	Excont	t as specifically provided otherwise	e in this licer	ce. the license	e shall	
16+	conduc	ct its program in accordance with t	he statements.	representations	, and	
	proced	dures contained in the documents, is	ncluding any er	closures, liste	d below.	
	The Nu	uclear Regulatory Commission's regu	lations shall g	overn unless th	e ion and	
	stater	ments, representations, and procedul spondence are more restrictive than	the regulation	is.	ion and	
	COLLE:	apondence are note restrictive than	ene regulation			
	A. /	Application dated July 16, 1984				
	B. 1	Letter dated July 17, 1986				
	D. 1	etter dated October 3 1986				
	E. 1	Letter dated October 22, 1987				
	F. 1	letter dated February 3, 1988				
	G. 1	Letter dated August 5, 1988				
	H. 1	Letter dated December 21, 1988				
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			FUR THE U.S. NU	ULLEAK KEGULATOR	1 COMM15510	
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Date	EB445	U ION	BY JACKEN	VHITTEN		
			Nuclear Mate	rials Licensing	Section	
			Region IV	evas 76011		
OFFICI	AL REI	CURD CORY	Al Lington, 1	UAGS /0011	ML40	

Halliburton Services Government Regulations Department ATTN: R. L. Bechtel, Manager P.O. Drawer 1431 Duncan, Oklahoma 73536-0100

Gentlemen:

Please find enclosed Amendment No. 14 to your NRC material license.

You should review this amendment carefully and be sure that you understand all conditions. If you have any questions, you may contact the reviewer who signed your license amendment at 817/860-8100.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

- Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
- Possess radioactive material only in the quantity and form indicated in your license.
- Use radioactive material only for the purposes indicated in your license.
- Notify NRC in writing of any change in mailing address (no fee required if the location of radioactive material remains the same).
- 5. Request and obtain appropriate amendments if you plan to change ownership of your sole proprietorship or partnership, change the corporate status of your company, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. A license fee may be charged for the amendments if you are not in a fee-exempt category.
- 6. Submit a complete renewal application with proper fee, or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

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C:NMLS CLCain

Halliburton Services

Request termination of your license if you plan to permanently discontinue activities involving radioactive material.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Action, 10 CFR Part 2, Appendix C. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which the NRC expects of its licensees.

Thank you for your cooperation.

Sincerely,

Original signed by JACK E. WHITTEN

Charles L. Cain, Chief Nuclear Materials Licensing Section

Enclosure: As stated

JAN 1 8 1989

Halliburton Services ATTN: R. L. Bechtel Manager Govt. Regulations Dept. Drawer 1431 Duncan. OK 73536-0100

Gentlemen:

This refers to your letter dated December 21, 1988, for amendments to Materials Licenses 35-00502-04G, 35-00502-02, 35-00502-03, and 42-01068-07.

Amendment fees totalling \$690 are required as specified in §170.31; 3J (\$230), 5A (\$170), 3A (\$120), and 5A (\$170) of 10 CFR 170, copy enclosed. Payment should be made to the U.S. Nuclear Regulatory Commission and mailed to my attention at our Washington, D.C. address.

Your application will be processed by the Region IV Licensing staff located at 611 Ryan Plaza Drive, Suite 1000, Arlington, Texas 76011. The fees, however, are required prior to issuance of the amendments. When submitting the fee, please refer to CONTROL NUMBERS 462339, 462340, 462341, and 462342.

Sincerely,

Signed by: Glenda Jackson

Glenda Jackson License Fee Management Branch Division of Accounting and Finance Office of Administration and Resources Management

Enclosure: 10 CFR 170

cc: Region IV

DISTRIBUTION: Pending Fee File ARM/DAF R/F LFMB R/F (2) DW/RIVV/HALLIB

OFFICE: ARM/LFMB // ARM/LFMB / SURNAME: MMessier:kb GJackson DATE: 01//7 /89 01/ 7/89

	(FOR LEMS USE) INFORMATION FROM LTS	
LIC REC	ICENSE FEE MANAGEMENT BRANCH. ARM PROGRAM CODE: 03240 AND STATUS CODE: 0 REGIONAL LICENSING SECTIONS FEE CATEGORY: 3J EXP. DATE: 19910331 FEE COMMENTS:	
LIC A.	ICENSE FEE LEANSMITTAL	
1.	APPLICATION ATTACHED APPLICANT/LICENSEE: HALLIBURTON SERV. RECEIVED DATE: 881227 DOCKET NO: 3005902 CONTROL NO: 462339 LICENSE NO: 35-00502-04G ACTION TYPE: AMENDMENT	
2.	FEE ATTACHED FEB 2	
3.	SIGNED Billie Gruspenski DATE	
Β.	. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED / _/)	
1.	FEE CATEGORY AND AMOUNT: 31 (8230)	
2.	2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR: AMENDMENT RENEWAL LICENSE	
з.	3. OTHER	
	SIGNED /n huspur DATE	

GOVERNMENT REGULATIONS DEPARTMENT

R.L. BECHTEL Manager R.A. LEONARDI, JR.

.1 .

Radiation Safety Officer

Writer's Direct Dial Number (405) 251-3565 DRAWER 1431, DUNCAN, OKLAHOMA 73536-0100

Senior Environmental Engineers S.A. BURFORD R.E. HOUSER

Environmental Engineers J.W. PRESGROVE J.R. SANDERS, JR.

December 21, 1988

Mr. Jack E. Whitten Nuclear Materials Safety Section U. S. Nuclear Regulatory Commission Region IV 611 Ryan Plaza Drive Suite 1000 Arlington, Texas 76011 DEC 2 \$ 1988

Dear Sir:

Attached for your evaluation and approval is the proposed Halliburton Company Oil Field Services Group Corporate Radiation Safety Program. The audit portion of the program is essentially the same as that submitted to you in our correspondence of October 22, 1987 and February 3, 1988 with the removal of specific license numbers.

HALLIBURTON SERVICES

If you have any questions, please let me know.

Very truly yours,

R. L. Buhtel

R. L. Bechtel

RLB: im Attachment

2865677 1200 generit 46234(120) + 62340 + 462342 39 (4170) 39 (4170) 4070) 4170) Jan - 3-14 misate 462339

Proposed Halliburton Company Oil Field Service Group Corporate Radiation Safety Program

The proposed Corporate Radiation Safety Program will consist of five key elements. They are:

- An individual responsible for Corporate Radiation 1. Safety within the oil field service group.
- An Corporate Radiation Safety Oversight Committee. 2.
- Individual Company or Subsidiary RSOs. 3.
- Individual Company or Subsidiary Radiation Safety 4. Oversight Committee.
- An Comprehensive Radiation Safety and Material 5. Audit and Report Program.
- The individual responsible for Corporate Radiation Safety within the Oil Field Service group of Halliburton Company will serve as the focal point for all contact between NRC and the oil field service groups of Halliburton Company. This individual will be conversant with licensing aspects of radioactive materials and applications within the oil field service groups. Compliance with regulations will be determined by this individual with the aid of individual company and subsidiary radiation safety officers and an intergrated audit and report program. It is not necessary that this individual meet the RSO qualifications as outlined in the NRC's regulatory guide.
- The Corporate Radiation Safety Oversight Committee will consist of the individual company or subsidiary RSO's. In addition the committee may select additional members who bring specific skills and/or expertise to the group. The committee will meet on at least a semi-annual basis for the purpose of discussing current company applications of radioactive materials and any new related developments arising since their last meeting. Other topics for discussion will include specific radioactive safety incidents, proposed regulatory changes and the performance of subcontractors such as analytical laboratories, survey instrument companies and film badge services. The committee will be chaired by the person responsible for Corporate Radiation Safety. Official documentation of meeting proceedings will be forwarded to affected company presidents and maintained on file for a period of three years.
- The individual company or the subsidiary RSOs will be 3... responsible for administering the Radiation Safety Control Program within the individual company or subsidiary. They will be responsible for keeping the

Corporate Radiation Safety person and individual company management informed as to the status of their individual program. They will perform or oversee the audit program within the individual company and will submit written reports and evaluations as determined within the audit outline.

4. The individual company or subsidiary radiation oversight committee will be chaired by that company's RSO. Membership will be selected by the company RSO and consist of company prisonnel within all the departments that utilize radioactive materials. Additional members may be selected if needed or desired. The RSO will select an appropriate meeting schedule but in no case will it be greater than semi-annually. Official documentation must be maintained as to the time and content of committee meetings and such documentation must be submitted to the corporate person.

. The proposed Corporate Audit and Report Program will be as outlined below:

PROPOSED HALLIBURTON COMPANY CORPORATE RADIOACTIVE SAFETY AND MATERIAL AUDIT PROGRAM

TRACER MATERIALS

Comprehensive audits of the handling, use, storage and disposition of licensed tracer materials conducted under Licenses which NRC has jurisdiction shall be conducted at intervals not to exceed three (3) months by either the individual Company Radiation Safety Officer (RSO), Assistant Radiation Safety Officer (ARSO), Division Radiation Safety Officer, or Division Safety Coordinator for the licenses for which they are responsible. Audits shall be conducted at each active service center. (Active service centers are those at which radioactive tracer material has been possessed, used, or stored within the previous six (6) months) Any deficiencies noted by the audit shall be promptly corrected. The audits shall be documented in a report by the Company RSO and within thirty (30) days of each audit and the report shall be submitted to the individual responsible for Corporate Radiation Safety. A determinat in shall be made whether the deficiency was an incluted event or one that indicates a potential systematic failure in which case all active service centers shall be notified.

- Additional unannounced audits shall be performed at active service centers if prior corrective actions are not implemented or if the corrective actions were not effective.
- C. A review of audit findings for each licensed tracer activity relative to Licenses which NRC has jurisdiction shall be conducted by the individual responsible for Corporate Radiation Safety, at intervals not to exceed six (6) months and the review shall be documented in a report. In addition the person responsible for Corporate Radiation Safety, or an NRC-approved alternate, shall conduct audits at selected active service centers.
- D. Within thirty (30) days of the above audit review, copies of the completed audit report shall be provided to the individual Company President, as appropriate, for his review. The person responsible for Corporate Radiation Safety shall ensure through the individual company RSO that all corrective actions are properly implemented and incorporated into the licensee's program.
- E. Records of the review and audits identified above shall be maintained for inspection by the Commission for a period of three (3) years.

SEALED SOURCES (GENERALLY LICENSED)

- ň.
 - Comprehensive audits of the handling, use, storage and disposition of general licensed sealed sources under NRC jurisdiction shall be conducted at intervals not to exceed twelve (12) months by either the Radiation Safety Officer (RSO) or Assistant Radiation Safety Officer (ARSO), Division Radiation Safety Officer, or Division Safety Coordinator for their licenses for which they are responsible, or an individual appointed by the Company Radiation Safety Officer. Audits shall be conducted at each active service center. (Active service centers are those at which general licensed radioactive material has been possessed, used, or stored within the previous six (6) months.) An deficiencies noted by the audit shall be promptly corrected. The audits shall be documented in a report within sixty (60) days of each audit and the report shall be submitted to the person responsible for Corporate Radiation Safety. A determination shall be made whether the deficiency was an isolated event or one that indicates a potential

systematic failure in which case all active service centers shall be notified.

- B. Physical inventories shall be conducted every six (6) months to account for all general licensed sources and/or devices received and possessed under the license. This inventory will be conducted by an individual appointed by the individual company RSO.
- C. Additional unannounced audits shall be performed at active service centers if prior corrective actions are not implemented or if the corrected actions are not effective.
- D. If analysis of two (2) twelve (12) month audits indicate a strong effective compliance program is in place, relaxation to a twenty-four (24) month audit period can be initiated upon NRC approval.
- E. A review of the audit findings shall be conducted for each generally licensed sealed source activity relative to licenses under NRC jurisdiction by the person responsible for Corporate Radiation Safety, at intervals not to exceed fourteen (14) months and the review shall be documented in a report.
- F. Within thirty (30) days of the above audit review, copies of the completed audit report shall be provided to the individual Company President, as appropriate, for his review.
- G. The person responsible for Corporate Radiation Safety through the individual company RSO shall ensure that all corrective actions are properly implemented and incorporated into the licensee's program.
- H. Records of the reviews and audits identified above shall be maintained for inspection by the Commission for a period of three (3) years.

SEALED SOURCES (SPECIFIC LICENSED)

A. Comprehensive audits of the handling, use, storage and disposition of specific licensed sealed sources under licenses which NRC has jurisdiction shall be conducted at intervals not to exceed six (6) months by either the individual Company Radiation Safety Officer (RSO) or Assistant Radiation Safety Officer (ARSO), Division Radiation Safety Officer, Division Safety Coordinator for their licenses for which they are responsible or an individual appointed by

.

the Company Ration Safety Officer. Audits shall be conducted at each active service center. (Active service centers are those at which specific licensed radioactive material has been possessed, used, or stored within the previous six (6) months.) Any deficiencies noted by the audit shall be promptly corrected. The audits shall be documented in a report within thirty (30) days of each audit and the report shall be submitted to the individual responsible for Corporate Radiation Safety. A determination shall be made whether the deficiency was an isolated event or one that indicates a potential systematic failure in which case all active service centers shall be notified.

- B. Physical inventories shall be conducted every six (6) months to account for all specific licensed sources and/or devices received and possessed under the license. This inventory will be conducted by an individual appointed by the RSO.
- C. Additional unannounced audits shall be performed at active service centers if prior corrective actions are not implemented or if the corrected actions were not effective.
- D. If analysis of two (2) six (6) month audits indicate a strong effective compliance program is in place, relaxation to a twelve (12) month audit period can be initiated upon NRC approval.
- E. A review of the audit findings shall be conducted for each specific licensed sealed source activity relative to licenses under NRC jurisdiction by the individual responsible for Corporate Radiation Safety, at intervals not to exceed nine (9) months and the review shall be documented in a report.
- F. Within thirty (30) days of the above audit review, copies of the completed audit report shall be provided to the Company President, for his review.
- G. The individual responsible for Corporate Radiation Safety through the individual company RSO shall be the responsible Licensee representative to ensure that all corrective actions are properly implemented and incorporated into the licensee's program.
- H. Records of the reviews and audits identified above shall be maintained for inspection by the Commission for a period of three (3) years.

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