VOID SHEET

TO: License Fee Management Eral FROM: Aidgot WARGON SUBJECT: VOIDED APPLICATION	ncn
Control Number: 395896 Applicant: Methody Region Date Voided: 2/3/94 Reason for Void:	nal Med. Ctr.
those was a change only. After review that an amendment	if was not not decided
	Slide turation 2/3/94
Attachment: Official Record Copy of Yoided Action	
FOR LEMB USE ONLY	
Final Review of VUID Completed:	
Refund Authorized and processed	
☐ No Refund Due	10001
Fee Exempt or Fee Not Required	40004
Comments:	Log completed D
03230075 940203 OR ADDCK 03014054	Processed by: 3/3/94 20 0H

(FOR LFMS USE)
INFORMATION FROM LTS BETWEEN: PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C 2B
EXP. DATE: 19950731
FEE COMMENTS:
DECOM FIN ASSUR REGOT N LICENSE FEE MANAGEMENT BRANCH, ARM AND REGIONAL LICENSING SECTIONS LICENSE FEE TRANSMITTAL A. REGION APPLICATION ATTACHED
APPLICANT/LICENSEE: MOBERLY REGIONAL MEDICAL CTR.
RECEIVED DATE: 931012
DOCKET NO: 3014054
CONTROL NO.: 395896
LICENSE NO.: 24-18695-01
ACTIOM TYPE: AMENDMENT FEE ATTACHED \$500,00 CHECK ND.: \$273 3. COMMENTS SIGNED Paletliff B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1/1)

1. FEE CATEGORY AND AMOUNT: 20 26 25 2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR: RENEWAL LICENSE 3. OTHER SIGNED RECEIVED OCT 2 6 1993 REGION III * Reviewer to determine

Community
Health
Systems, Inc.

October 8, 1993

US Nuclear Regulatory Commission Region III 799 Roosevelt Road Glen Ellyn, IL 60137

Gentlemen:

It is the intent of Community Health Systems, Inc. to purchase Moberly Regional Medical Center, Inc. on or about October 20, 1993.

It is also the intent of Community Health Systems to accept ownership and control of the NRC Materials Licenses which currently exists for Moberly Regional Medical Center. Community Health Systems, Inc. will abide by all constraints identified in the existing license. No changes in the use, possession or storage of the licensed materials is intended.

No changes in facility name or radiation Safety Officer are anticipated at the time of the sale and transfer of ownership.

Sincerely,

Michael T. Portacci

Director

Hospital Operations Group

MTP:nm

Remitter
Check No. 84/2
Amount #500 @
Fee Category TC 2B
Type of Fee Check Rec'd 10/18/93
Date Carp lated 10/25/93
By:

RECEIVED

OCT 1 2 1993 REGION III

OCT 1 2 1993

WHITTON 110. 395896



October 6, 1993

U.S. Nuclear Regulatory Commission

Gentlemen:

It is the expressed will of Midwest Adventist Health Services Corporation, Inc. (MAHSC) to transfer ownership of Moberly Regional Medical Center to Community Health Systems, Inc. Additionally, MAHSC wishes to transfer control of all licensed material and activity, as described in the present NRC Materials License issued in the name of Moberly Regional Medical Center, to Community Health Systems.

It is anticipated that the transfer of ownership will occur on or about October 20, 1993.

Sincerely,

Gordon Glass

Treasurer

pd



September 30, 1993

U.S. Nuclear Regulatory Commission Region III 799 Roosevelt Road Glen Ellyn, Illinois 60137

Gentlemen:

On September 24, 1993 I called your office to notify you of the pending change of ownership of Moberly Regional Medical Center. Gidget Watson returned my call and sent notice 8925 to assist us in preparing the documentation necessary to transfer our Materials License to the new owners of Moberly Regional Medical Center.

Moberly Regional Medical Center is presently owned and operated by Midwest Adventist Health Services (AHS). A letter of intent has been signed with Community Health Systems, Inc., 3707 FM 1960 West, Suite 500, Houston, Texas, to sell Moberly Regional Medical Center to Community Health Systems. We anticipate that the transaction will be completed on or about October 20, 1993.

There will be no change in the hospital name, CEO, or Radiation Safety Officer. The facilities, equipment and personnel will remain essentially unchanged. AHS is a multi-hospital system and will continue to provide medical services at other health care facilities under their ownership. Those facilities providing nuclear medicine services operate under separate NRC licenses and are not affected by this transfer.

The transaction being proposed is essentially an asset purchase agreement. AHS will be selling all buildings, equipment, records, and appurtenances to Community Health Systems in a cash transaction. The name Moberly Regional Medical Center is also being transferred to the new owner along with all licenses and associated rights, to the extent allowed by law.

There are no planned changes in the organization, location, facilities, equipment, procedures or personnel. The only change anticipated is a change of ownership.

No changes in the use, possession or storage of licensed materials are indicated. All records pertaining to the NRC license are current and will be maintained on site at Moberly Regional Medical Center. A copy of the physicist's quarterly review as of June 28, 1993 is enclosed which indicates the status of all radioactive material inventory and accountability requirements. A subsequent quarterly review was performed on September 10, 1993, however, the written report is not yet available. All documentation and records discussed at the Radiation Safety Committee on that date were in compliance at the time of this review.

NMA MEDICAL PHYSICS CONSULTATION

Consultant's Report - Nuclear Medicine

1827 Belt Way Drive St. Louis, Missouri 63114 (314) 427-5833

FACILITY: Moberly Regional Medical Center DATE OF VISIT: 6/28/93

LOCATION: Moberly, Missouri

RSO: Harold Sanders, M.D.

PHYSICIAN(S): Harold Sanders, M.D.

TECHNOLOGIST(S): John Harkness, R.T.

During this consulting visit, the radiation safety program was reviewed for compliance with regulatory and license requirements and nuclear medicine instrumentation was evaluated for proper operation. The various areas evaluated are itemized on the attached medical physics survey form. Noteworthy items are elaborated upon in the following paragraphs.

It is important to read this report in its entirety. To satisfy the requirements of the regulations, this document should be reviewed and signed by the radiation safety officer and retained on file. Also, it is suggested that all department personnel review and sign this report as it can be considered part of their review of radiation safety.

LICENSING

The facility's radioactive materials license was reviewed through Amendment No. 13. The license is current with no necessary amendment action and all relevant application materials were available for reference.

Mr. Harkness indicated that there are tentative plans for sale of the hospital. Please be aware that any change in the ownership or the name of the institution must be preceded by a license amendment pursuant to 10 CFR Part 30.34(b). As indicated in NRC Information Notice 89-25, "full information on change in ownership or control of license activities should be submitted to the appropriate NRC Regional Office as soon as possible, preferably at least 90 days before the proposed action." Please keep NMA apprised of the ownership status of the hospital. We will prepare the necessary amendment application once the plans have been finalized.

I. PERSONNEL DOSIMETRY

Personnel dosimetry records were reviewed through 5/14/93. These records revealed exposures which were well within the regulatory limits and consistent with the ALARA principle.

Mr. Harkness indicated that Brian Ashmore has begun training in the nuclear medicine department. Mr. Ashmore currently works in the radiology department and therefore wears a whole body film badge. It will be necessary to obtain an extremity ring badge for Mr. Ashmore prior to allowing him to manipulate radioactive materials.

III. ADMINISTRATIVE/EDUCATION

A radiation safety committee meeting was held concurrent with this consulting visit. Minutes of the meeting which took place on 3/24/93 were reviewed. All of the necessary information has been incorporated into those minutes.

Under the ALARA program, a formal review of the radiation safety program and ALARA considerations by the management is required to be performed annually. This review was last done in June of 1992 and therefore currently due. Mr. Harkness indicated his intention to schedule this review with a member of administration. Documentation of the review should be maintained for regulatory inspection.

Brian Ashmore is presently training in the nuclear medicine department. Specific requirements for orientation of personnel who will work with radioactive materials are itemized in Item 8.1 and Appendix A of your license application dated 3/28/90. Documentation of his orientation should be maintained for regulatory review. Also, Regulatory Guide 8.13 (instruction concerning prenatal radiation exposure) should be reviewed and documented.

IV. HEALTH PHYSICS

Due to construction in the nuclear medicine area, the required ventilation rate in the hot lab could not be confirmed. It is a regulatory requirement that Xe-133 gas be stored under negative pressure. For this reason, it was recommended that the Xe-133 vials be stored in the hood and that the hood fan be left on. It is additionally recommended that routine maintenance of the fan be scheduled.

- 3 -

V. RADIOPHARMACEUTICALS

The records of the receipt, disposition, and patient administration of radiopharmaceuticals were reviewed and found to be current, complete, and in very good order.

VI. SEALED SOURCES

An inventory of the department's sealed sources was conducted, and all sources were available for inspection. A survey of the ambient exposure rates in the sealed source storage area was performed, and all results were consistent with the ALARA principle. Leak tests were performed on all sources which required them. No removable contamination in excess of 0.005 uCi was found. Specific inventory and wipe test data can be found enclosed with this report.

VII. SURVEYS

The records of daily and weekly area surveys and wipe tests were reviewed. The surveys appeared to be performed at the required frequency, and all necessary information is contained in the records.

The records of receipt and shipment of radioactive materials were reviewed. It was noted that the wipe tests performed upon receipt and shipment were analyzed with a GM survey meter. This method of wipe test analysis is probably not sufficiently sensitive to detect 22,000 dpm (10 CFR Part 20.205(b2)) or 2,200 dpm (10 CFR Part 173.443). With the recent issuance of NRC Information Notice 93-30 which concerns the requirements for the evaluation of wipe test results, it is recommended that all wipe tests be evaluated using the gamma camera. The efficiency of the gamma camera for performing wipe tests has been determined to be 27%. The minimum detectable activity for the wipe test procedure is 877 dpm.

The records of radioactive waste which is held for decay in storage were reviewed. The records were found to be complete. Upon the request of Mr. Harkness, a standardized form for recording radioactive waste which is held for decay was provided to him. This form provides for all of the necessary information which must be incorporated into the record.

VIII. POSTINGS/NOTICES

All of the required regulatory postings were noted to be conspicuously displayed in the nuclear medicine department. It was confirmed that the emergency contact telephone numbers listed on the emergency procedures posting were current.

IX. VENTILATION

The exhaust rates from the nuclear medicine imaging room, hot lab, and the hood were evaluated during using an Alnor, Jr., velometer. The results of the evaluation are documented on page 5 of the Medical Physics Survey. It should be noted that negative pressure could be confirmed in the imaging room. A total exhaust rate of 470 cfm was noted. A minimum of 592 cfm is required for xenon studies to be performed. The radiation safety committee was informed that the performance of xenon studies without negative pressure or adequate air flow is a violation of license conditions.

It is speculated that the significant decrease in the ventilation rates is a result of the recent expansion of the nuclear medicine imaging room. The exhaust system must be adjusted such that the minimum exhaust rate is achieved. It should be confirmed with the construction personnel that there is no recirculation of exhausted air from the nuclear medicine department. The exhausted air must go directly to the environment.

It was recommended that the exhaust rates be professionally re-evaluated as soon as possible to confirm that the minimum air flow of 592 cfm is maintained. Also, once adequate ventilation is confirmed, the emergency evacuation time must be recalculated. Please contact our St. Louis office to notify us of the new ventilation rates and the new room dimensions to be incorporated in this calculation. The evacuation time must be posted in the imaging room.

X. EQUIPMENT

The radiation survey meters were checked for battery integrity and constancy of response. The batteries were in good condition and all check source readings were within 20% of the expected values.

It was noted that the Victoreen Thyac-490 survey instrument was due for calibration on 4/3/93. Also, the Victoreen 740-F and the Bicron Surveyor 2000 will be due for calibration prior to the next NMA consulting visit. The Victoreen Thyac-490 and the

DOSE CALIBRATOR ACTIVITY LINEARITY CHECK

Dose Calibrator CAPINITEC # 7021	Date 6-25-93
Model CRC-5	Technologist Town HARRINESS R.T.
Source Configuration * Syewise 31.3 mai 9m	Facility: Mossey Besinson Mesica Centres

All readings must be taken at the lowest range setting available and converted to mCi units.

Δ	В		<u>C</u> **	D	
TUBE COLOR	DISPLAYED		CALIBRATION FACTOR	PRODUCT B x C	OF
Black Only	29.4 mai	×	1.00	= 29.4	
Black & Red	17.3 mG	x	1.637	= 28.320	2
Black & Orange:	9.67 ma	x	2.875	= 27.80	1
Black & Yellow:	2.98 mCi	x	9.161	= 27.29	7
Black & Green:	. 863 ma	x	31.754	= 27.40	3
Black & Blue:	.310 mCi	x	88.059	= 27.29	8
Black & Purple:	.037 mCi	x	254.475	= 27.915	2
MEAN = <u>SUM</u> = 7	27.92	1.10 x 1.05 = x 0.95 = 0.90	30.71 25.13	= UPPER LIM = LOWER LIM	

Compare Column D data to upper and lower limits to confirm linearity.

- * The source configuration to be used must be that which was used when the calibration factors in Column C were determined.
- ** The calibration factors for this column are specific to your dose calibrator and the source geometry used when determined. They can be found on Data Sheet #1 in your Calicheck kit instruction manual.

R.S.O. Signature

DATE:

June 28, 1993

FACILITY: Moberly Regional Medical Center

Moberly, Missouri

The attached Medical Physics Survey is a review of the Radiation Safety Program. This survey satisfies the Radiation Safety Officer's (RSO) obligations under ALARA. The RSO's review of records identified under 10 CFR 35 was performed with regard to the following items:

Dose Calibrator Accuracy Test, 10 CFR 35.50 (e) (2).

Dose Calibrator Activity Linearity Test, 10 CFR 35.50 (e) (3).

Sealed Source Storage Site Survey Results, 10 CFR 35.59 (i).

Quarterly Physical Inventory of Sealed Sources, 10 CFR 35.59 (g).

Sealed Source Leak Tests, 10 CFR 35.59 (d).

Other suggested recommendations for corrections are listed below:

(if any)	Correction

Radiation Safety Officer

CONTROL NO. 395896

FACILITY:	Moberly Regional Medical Center	LOCATION:	Moberly, Missouri

	DATE:	9/8/92	12/7/92	3/23/93	6/28/93
l.	LICENSING	310102	12/2/02	3723703	0/20/03
1,	NRC license current, Expires: 7/31/95 Last Amend: 13	YES	YES	YES	YES
2.	State Registration current. Expires: 6/94 Last Amend: 6/92	YES	YES	YES	YES
3.	License Applications and supporting documents available for reference. (19.11)	YES	YES	YES	YES
4.	Authorized/Visiting/Supervised Users and Notifications current. (35.14)	YES	YES		YES
5.	Materials/Possession limits current and not exceeded (A)	YES	YES	YES	YES
6.	Facilities description current. Temporary and remote waste storage sites authorized. Future plans/changes considered.	YES	YES	YES	YES *
7.	NRC State Regulations available. (19.11) Last Update: 2/28/92		YES	YES	YES
8.	Last regulatory inspection report on file. Corrective action. (19.11) Last inspection date: 4/15/92	YES	YES	YES	YES
II.	PERSONNEL DOSIMETRY				
1.	Personnel dosimetry records in order. (20.401) Reviewed through:		10/14/92	* 2/15/93	YES 5/14/93
2.	New Employee exposure estimate on file. (20.102)		YES	YES	
3.	Whole body & ring badges worn by all personnel handling or using radioactive materials, as required. (20.202)	YES	YES	YES	YES

⁽A) All limits "as needed"

FACIL	ITY: Moberly Regional Medical	Center	LOC	ATION:	Moberly, Missouri
	DATE:	9/8/92	12/7/92	3/23/93	6/28/93
111.	ADMINISTRATIVE/EDUCATION				
1.	Radiation Safety Committee meetings & records current. (35.22) Quarterly meeting dates:	YES 9/8/92	YES 12/7/92		YES 3/24/93
2.	Annual RSC & RSO review of the Radiation Safety Program. (35.22) Last date performed: 6/24/92	YES	YES		
3.	Annual Management review of ALARA Program. Last date performed: 6/24/92	YES	YES		
4.	Annual review of radiation safety for radiation workers. Last date performed: (A)	YES	YES	YES	YES
5.	Annual review of radiation safety for non-radiation workers. Last date performed: 6/92	YES	YES		YES 4/93
6.	Continuing education documented.	YES	YES	YES	
7.	Regulatory Guide 8.13 records or equivalent current. (19.12)	YES	YES	YES	
8.	Operating Procedure Manual available. (35.21) Date last reviewed: 12/31/92	YES	YES *		YES
9.	Medical Physics Survey reviewed & signed by Radiation Safety Officer.		YES	YES	YES

(A) Performed quarterly with technologist by NMA.

FACILITY:		Moberly Regional Medical Center		LOC	CATION:	Moberly, Missouri	
		D	ATE:	9/8/92	12/7/92	3/23/93	6/28/93
íV.	HEALTH	PHYSICS					
1.	Radioact	live materials prop	erly	YES	YES	YES	YES
2.	Gloves a	vailable and used		YES	YES	YES	YES
3.		Vial shields and la pleted. (35.60 &		YES	YES	YES	YES
4.		e shielding during tration, and storag		YES	YES	YES	YES
5.		nonitored periodical leaving the restric		YES	YES	YES	YES
6.	Restricte	ed area secured.		YES	YES	YES	YES
7.	for recei	policy available & pt of Radioactive & 20.205)		YES	YES	YES	YES
8.		ype A container tion on file.(A)		YES	YES	YES	YES
V.	RADIOPH	ARMACEUTICAL:	3				
1.		aration/Patient Dis in order. (35.53)	position.	YES	YES *	YES	YES
2.		tient dose assayed administration, (3)		YES	YES	YES	YES
3.	Prescribe	ad dosage ranges	available.	YES	YES	YES	YES
4.	visit. If	dministrations sind so, records in ord le, report submitte	er. If	YES	YES	YES	YES
5.	IND prog	ram inactive.		YES	YES	YES	YES
6.	Radiopha	irmacy utilized.			YES	YES	YES
7.	Mo-99 a known.	ssay procedure ar	nd limits	YES	YES	YES	YES

⁽A) Ship only limited quantities.

FACI	ILITY: Moberly Regiona	Medical	Center	LOC	ATION:	Moberly, Missouri	
	DA	TE:	9/8/92	12/7/92	3/23/93	6/28/93	
VI.	SEALED SOURCES						
1.	Sealed Source Inventory co quarterly. (35.59)	mpleted	YES	YES	YES	YES	
2.	Leak Tests completed and on file. (35.59)	results	YES	YES	YES	YES	
3.	RSO signature on file for all inventory & leak test result (35.59)			YES	YES	YES	
VII.	SURVEYS						
1	Daily and weekly area survi performed and documented lab surveys included. (35.7	. Stress	YES	YES	YES	' YES	
2.	Area survey results express mR/hr. Action levels docum (35.70)		YES	YES	YES	YES	
3.	Weekly area wipe test perfoand documented. (35.70)	ormed	YES	YES	YES	YES	
4.	Area wipe est results expreproper units (dpm). Action levels documented.		YES	YES	YES	YES	
5.	Package receipt surveys increadings at surface, 1 meter packing mat'l & wipe test(s (20.205)	r, empty	YES	YES	YES		
6.	Package(s) returned to mfg radiopharmacy include surv wipe test(s), shipping paper seals, & DOT labels, as req (172.204, 172.402 & 173	ey(s), rs, pkç. uir.d.	YES	YES	YES		
7.	Radioactive materials labels defaced prior to disposal. (2)		YES	YES	YES	YES	
8.	Waste records indicate stordisposal dates, bkg. & was surveys, radionuclides, instrused, & tech, name. (35.92)	te rument	YES	\ is	YES	YES	

CONTROL HO. 395896

FACILITY: Moberly Regional Medical Center				LO	CATION:
	DATE:	9/8/92	12/7/92	3/23/93	6/28/93
VII.	POSTINGS/NOTICES				
1.	"Posting" for required documents available. (19.11)		YES	YES	YES
2.	Form NRC-3/State "Notice to Employees" properly posted. (19.11)	YES	YES	YES	YES
3,	Emergency Procedures posted; including updated RSO & telephone numbers.		YES	YES	YES
4.	*Caution-Radioactive Materials" signs properly posted. (20.203)	YES	YES	YES	YES
5.	"Caution-Radiation Area" signs properly posted, if applicable (5 to 100 mR in one hour). (20.203)	YES	YES	YES	YES
6.	"Notice of Violation" posted, if applicable. (19.11)	YES	YES	YES	YES
7.	Room evacuation time posted and known, in event of Xe-133 accidental release. (35.205)	YES	YES	YES	YES *
IX.	VENTILATION				
1	Room ventilation checked semi- annually. (35.205)(A) Last Performed: 6/24/92	YES	YES	YES	YES
	Hood		103 cfm		89 cfm
	N.M. Room		650 cfm		381 cfm
	Door		Neg.		
2.	Xe-133 used & stored under negative pressure. (35.205)	YES	YES	YES	

(A) Ventilation: Minimum 592 cfm

3. Xe-133 traps monitored and/or

condition(s). (35.205)

calibrated as required by license

Moberly, Missouri

YES

YES

YES

YES.

FACILITY: Moberly Medical Center

LOCATION: Moberly, Missouri

	DATE:	9/8/92	12/7/92	3/23/93	6/28/93
Χ.	EQUIPMENT				
1.	Survey Meter Calibration current. (35.51)			YES	
2.	Survey meter calibration certificate on file. (35.51)	YES	YES	YES	YES
3.	Survey meter check source reading and battery check performed each day of use. (35.51)	YES	YES		YES
4.	Dose Calibrator Constancy performed & documented each day of use. (35.50) Limit: 10%	YES	YES	YES	YES
5.	Dose Calibrator Activity Linearity performed upon installation and quarterly & documentation on file, including RSO signature. (35.50) Limit: 10%	YES 8/9/92	YES	YES 3/23/93	YES 6/25/93
6.	Last date performed: Dose Calibrator Accuracy performed upon installation and annually with documentation on file, including RSO signature. (35.50) Limit: 10% Last date performed: 9/8/92	YES	YES	YES	YES 6/28/93
7.	Dose Calibrator Geometry performed upon installation or after repair, & documented including RSO signature. (35.50) Last date performed: 11/12/85	YES	YES	YES	YES
8.	Calicheck or Lineator factors current. Confirming linearity test available. Geometry reproduced. Last calibration date: 3/21/91	YES	YES	YES	YES

FAC	ILITY: Moberl	Y: Moberly Medical Center LOCATION:		Moberly, Missouri		
		DATE:	9/8/92	12/7/92	3/23/93	6/28/93
Χ.	EQUIPMENT (contin	nued)				
9.	Gamma camera(s) floods performed, and documented.		YES	YES	YE3	YES
10.	Resolution images each gamma came license condition.		YES	YEG	YES	YES
11.	Wipe test efficiency Efficiency: 27% (A Last date performe	A)	YES	YES	YEG	YES
12.	Decontamination I available.	Kit, or materials	YES	YES	YES	YES

FACILITY: Moberly Regional Medical Center LOCATION: Moberly, Missouri 6/28/93 DATE: 9/8/92 12/7/92 3/23/93 XI. RADIOPHARMACEUTICAL THERAPY A. ALL THERAPY PROCEDURES (A) (A) (C) Any patient therapeutics performed. YES I-131 opened in accordance with license or regulatory conditions. YES 3. Family instructions given for outpatients or upon inpatient

- discharge.

 4. Dose ordered via prescription.
- Bicassays completed as required by regulation or license condition. (35.315)
- B. INPATIENT THERAPY PROCEDURES
- Inpatients assigned to private room with private bath. (35.315)
- Disposable gloves worn by nursing personnel.
- Patient room surveys performed (Allowable times at distance values calculated). (35.315)
- Adjacent rooms monitored. Adjacent rooms restricted, as required. (35.315)
- Caution signs placed in patient chart and on room doors. (35.315)
- Disposable linens, dishes, etc. used.
- Plastic covering for door-knobs, telephone, handles, etc. used.
- Nursing personnel monitored per license condition(s).

(A) No therapies performed since the last survey.

(B) Only capsular form or closed liquid systems used.

(C) Only outpatient therapies performed.

CONTROL NO. 395896

YES

FAC	CILITY: Moberly Regional Medical Center				LOCAT	ION:	Moberly, Missouri	
		DATE:		9/8/92	12/7/92	2/23/93	6/28/93	
XI.		ARMACEUTICAL.						
9.		given to all attendin & documented.	g	(A)	[Al-	(A)	(C)	
10.		safety instruction o patients. (35.315)						
11.		radioactive waste installed in room.						
12.	to verify a	ctivity remaining is < mrem/hr. (35.75)						
13.		materials monitored carding. (35.315)						
14.	tested prio	r to release for gener (35.315)						
15.		known in case of gery/death.						
XIII.	QUALITY	MANAGEMENT PRO	GRAM					
A.	ADMINIST	RATIVE PROCEDURE	S					
1.	Quality Ma	inagement Program o	n file.				YES	
2.		ectives for patient tions on file.					YES	
3.	Patient ide methods.	ntification verified by	two				YES	
4.		ministrations are com ten directive.	pared				YES	
5.		inagement Program innually. Records on	file.				-	
6.	Program de modificatio	ess of Quality Manage etermined. Necessarins instituted and sub thin 30 days.	γ					
7.	consultatio	ble events since last n. Any events evalu- days and records of and response on file.	ated				YES	

(A) No therapies performed since the last visit.
(B) Only capsular form or closed liquid systems used.

(C) Only outpatient therapies performed.

MEDICAL PHYSICS SURVEY PERSONNEL DOSIMETRY SUMMARY

FACILITY: Moberly Regional Medical Center LOCATION: Moberly, Missouri DATE: 9/8-92 12/7/92 3/23/93 6/28/93 QUARTER END: 7/14/92 10/14/92 1/30/93 4/14/93 (0 # NAME WB TLD WB TLD WB TLD WB TLD 11, 008 Harkness, John START 70 340 150 2). 000 Sanders, H. 0

Current NVLAP Approved Dosimetry Badge Vendor: Siemens

Ashmore, Brian

Facility ALARA Exposure Action Level:

	Level 1	Level 2
Whole Body Badge	125 mrems	375 mrems
TLD - Ring Badge	1875 mrems	5,625 mrems

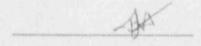
Start

CONTROL NO. 395896

MEDICAL PHYSICS SURVEY SURVEY METER EVALUATION

FACILITY: Moberly Regional Medical Center LOCATION: Moberly, ' «s. iuri

Type: Mfg.:	G-M Victoreen	lon Victoreen	G-M Technical	G-M Bicron
		76501911	Associates	Burgir
Model No.: Serial No.:	Thyac-490 2309	7	SML-2 032217	2000 A 203X
Seite No.	2300		032217	AZUSA
Ck Source & Geometry	Integral Sourne	10 uCl Cs-137 button. Radi- ation sign fac- ing mylar window. Pfastic cap re- moved	Integral	Integral
Calibrated Calibrated	4/3/92	9/18/91 9/17/92	Area monitor not calibrated 12/17/92	9/18/91 9/17/92
	Batt, mR/hr	Batt. mR/hrZero	Batt.,mA/hr	Batt. mR/hvlnt
Date				
9/8/92	OK-0.95	OK-146-OK	OK-0.9	OK-1.6-OK
12/7/92		OK-92-OK	OK-0.9	OK-1.4-OK
3/23/93	OK85	ОК-90-ОК	OK-0.70	OK-1.3-OK
6/28/93	OK-O.B	OK-*-OK	OK-0.6	OK-1.5-OK



MEDICAL PHYSICS SURVEY DOSE CALIBRATOR EVALUATION ACCURACY TEST

FACILITY:

Moberly Regional Medical Center

MODEL No .:

Capintec CRC-5

LOCATION:

Moberly, Missouri

SERIAL No .:

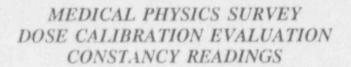
51506

	Cs-137 (220) Cal/Disp/% (uCl)	8a-133 (624) Cal/Disp/% (uCl)	Co-57 (112) Cal/Disp/% (mCi)	Sealed Source Set Used	Test	Bkg Zero	Linearity Test
Date							
9/8/92	186/187/+0.6%	189/191/+1.1%	0.668/0.675/+1.0%	#2	150.4	QK	21.0mCl-9.2uCl
12/7/92	and the second		NAME AND ADDRESS OF	394	156.2	ОК	26.2mCi-34.3uCi
3/23/93	and the second	An 44 An	****		155.5	OK	
6/28/93	205/207/0.9%	179/172/4.0%	314,321/1.0%	#1	155.8	OK	29.4mCi-37uCi

Set #1 ISTLI Cs-137, Mod. #NES-356, S/N 3560686A-19, Bs-133, Mod. #NES-358, S/N 3580786A-13, Co-57, Mod. #NES-CTC.V1, S/Y Bx-617
Set #2 ISTLI Cs-137, Mod. #NES-356, S/N 356002:24-24, Bs-133, Mod. #NES-358, S/N 358001-08, Co-57, Mod. #NES-CTC.V1, S/N Bx-597
Set #3 ISTLI Cs-137, Mod. #NES-359, S/N 3560166A-21, Bs-133, Mod. #NES-358, S/N S358010-001, Co-57, Mod. #NES-CTC.V1, S/N 9354MA
Set #4 ISTLI Cg-57, Mod. #CTC.V17, S/N Cs-358 III activity, bove 1 mCi)

CONTROL HO. 395896

⁽A) Battery Replaced



FACILITY:

Moberly Regional Medical Center

MODEL No.: Capintec CRC-5

LOCATION:

Moberly, Missouri

SERIAL No .:

51506

		Mo-99 (030) No	Tc-99m (080)	Ga-67 Cr-51 (100)	1-131 (151)	Xe-133 (188)	Ti-201 (205)	Cs-137 (220)	I-123 (277)	in-111 (303)	F123 (380)
		Shield uCl	шСі	uCi	uCl	uCl	uCi	uCi	uCl	uGl	uCi
Date											
9/8/92	B M	424 423	303 300	268 267	211 211	181 182	172 172	164	139 138/108	129 129	108
12/7/92	B M	423 427	300 301	269 268	211 210	182 183	171 172	164	139 139	130 129	108
3/23/93	B M	415 419	295 296	264 264	206 208	178 180	170 169	161	137 136	128 126	107
6/28/93	B- M	413 415	298 292	262 262	205 207	179 179	168 168	161	136 135	128 126	106

Source:

Cr-137

Model:

NES 356, S/N 35602798-18

Activity:

224 uCi

Calibration:

2/22/79

MEDICAL PHYSICS SURVEY GAMMA CAMERA EVALUATION

FACILITY:

Moberly Regional Medical Center

MODEL No.:

Siemens ZLC-370

LOCATION:

Moberly, Missouri

ROOM No.:

Date	РНА	INTEN (M)	SENS(T cpm/uCi	SATUR HI/NOR/LO (Keps)	FLOOD	INTRIN HES-DIR	OFF PEAK	LINEARITY
6/24/92	140 @ 20%	.010L	314	107	OK.	3.5mm -3.0mm	OK	ок
9/8/72	Camera	Service						
12/7/92	140 @ 20%	0101	311	107	100	3.5mm-3.0mm	OK	ОК
3/23/93	140 @ 15%	101.	300	107	1.0	3.5mm-3.0mm	OK	ОК
6/28/93	To be replaced							

Technique parameters:

(A) Sensitivity with 140 keV collimator.

(B) 20 x 10° counts, 6 on 1 format, 8 x 10 size film.

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MEDICAL PHYSICS SURVEY BRACHYTHERAPY & OTHER SEALED SOURCE STORAGE SITE SURVEYS

FACILITY: Moberly Regional Medical Center

LOCATION:

Moberly, Missouri

LOCATION OF SURVEY AND RESULTS IN MREM/HR

DATE	SURVEY METER (Seria' Number)	A	В	c	SURVEYOR
9/6/92	A203X	0.05	0.03	0.15	TWO
12/7/92	A203X	0.03	0.2	0.4	TWD
3/23/93	A203X	0.0	0.14	0.3	МВ
6/28/93	A263X	0.05	0.04	0.05	DMB

LOCATION KEY

A. Long-term storage in basement

B. Co-57 Flood Cab

C. L-shield

RETAIN THIS BECORD IN COMPLIANCE WITH 10 CFR 35.59(1)

* See Report

992

MEDICAL PHYSICS SURVEY SEALED SOURCE INVENTORY

FACILITY:

Moberly Regional Medical Center

DEPARTMENT: Nuclear Medicine

LOCATION:

Moberly, Missouri

Nucilde:	Ca-137	Co-60	Co-67	Co-67	Cs-137	Cs-137	Co-57	
Туре	Vist E	Viai €	Vial	Button	Button	Marker	Flood Source	
Location:	Behind L-shield Hot Lab	Permanent Storage Room	Permanent Storage Room	Hood Hot I ab	Hood Hot Lab	(A)	Permenant Storage Room	
Assay; (Date)	224 uCi 2/22/79	52 uCi 5/8/81	5.71 mCi 9/18/79	50 uCi 1/85	10 uCi	< 1 uCi	2 mCi 11/15/86	
Mgr	NEN	NEN	Nuclear Asso-	NEN			NEN	
Serial No.:	3560279 818	3540681A-	7129-02	2890185A		89	390002-02	
Model: Date:	NES-356	NES-354		NES-289	N/A	N/A	NES-390	
9/8/92	×	XIAI	X(A)	×	×			
12/7/92	×	X(A)	X(A)			X(A)	X	TWD
3/23/93	×			X	X	X(A)	×	TWD
		X(A)	X(A)	×	X	X(A)	×	MB
6/28/93	×	X(A)	X(A)	×	×	X(A)	×	DMB

X - INDICATES SOURCE INVENTORIED

A - Sources inventoried, sealed as a unit, logged, and played in long-term storage. (Basement)

B - Returned to manufacturer

CONTROL NO. 395896

MEDICAL PHYSICS SURVEY SEALED SOURCE INVENTORY

FACILITY:

Moberly Regional Medical Center

DEPARTMENT: Nuclear Medicine

LOCATION:

Moberly, Missouri

Nuclide:

Co-57

Co-57

Type:

Flood Source Flood

Location:

Permar

Hot '

Storay

Roam

Assay:

10 uCi 10/15/88 10 mCi

(Date)

CIS

Mgr

DuPont

10/23/92

Serial No.

NES-392

392088-04

203-1932

Model

EHSC40

Date:

9/8/92 12/7/92

3/23/93 6/28/93

TWD

TWD

DMB

X - INDICATES SOURCE INVENTORIED

A - Sources inventoried, sealed as a unit, logged, and placed in logge-term storage. (Basement)

E Returned to manufactures

MEDICAL PHYSICS SURVEY SEALED SOURCE LEAK TEST ANALYSIS REPORT

FACILITY:

Moberly Regional Medical Center DEPARTMENT:

Nuclear Medicine

LOCATION:

Moberly, Missouri

ATTENTION:

John Harkness

Analysis of the WIPE used to conduct a leak test on the sealed sources identified below was performed by gas or scintillation detection and reveals removable contamination was less than 0.005 uCi, unless otherwise noted, when compared against NIST traceable standards.

Source: Cs-137 Vial E, 224 uCi, 2/22/79, NEN #3560279B-18

Date:	9/8/92	12/7/92	3/23/93	6/28/93
Wipe No.:	SL 2832	SL 3041	SL 3251	SL 3475
MOA (uCi):	3.40 E-5	3.40 E-5	3.40 E-5	3.40 E-5
Net CPM	2	0	0	. 0
Net uCi:	< MDA	< MDA	< MDA	< MDA
CPM for 0.005 uCt	1470	1470	1470	1470
Analyst:	DMG	TWD	TWD	DMB

Source: Co-57, Flood, 10.3 mCi (381 MBq), 10/23/92, CIS, Mod. #EHSC40, S/N 203-1932

Date	12/7/92	3/23/93	6/28/93
Wipe No.:	St. 3042	SL 3252	SL 3476
MDA (uCi):	6.27 E-6	6.27 E-6	6.27 E-6
Net CPM:	0	6	. 0
Net uCi:	< MDA	< MDA	AOM >
CPM for 0.005 uCl	10,362	10,362	10,362
Analyst:	TWD	TWD	DMB

Performed by:

Undel License No.: 24-04206-08MD and 34-16272-01

CONTROL NO. 395896

DIVISION OF ACCOUNTING AND FINANCE REQUEST FOR REFUND TO EMPLOYEE/VENDOR

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY COMMISSION FOR GOODS OR SERVICES PROVIDED AND IS DUE A REFUND.

EMPLOYEE/VENDOR/PAYEE CODE: *
NAME: Community Health Systems, Inc.
ADDRESS: Attn: Michael T. Portacci, Director
ADDRESS: 155 Franklin Road Suite 400
CITY: Brentwood STATE: TN ZIP: 37027
TRANS CODE: PX TRANS TYPE: FUND:
JOB CODE: (FOR FE TRANS TYPE) REFUND AMOUNT: \$500°
COMMENTS: Lic 24-18695-01 Amd Rfnd Ltv dtd 10/8/93:
(limit, comments to 40 characters, including spaces)
PREPARED BY: Sherley Crutchiel DATE: 2/25/94
AUTHORIZED BY: Cheyla helendo TITLE: 3/1/94
OFFICE: LIFTE SOC DATE: 3/1/94 and
ORIGINAL
INVOICE #: DATE PAID: AMOUNT: \$
REFUND ENTERED INTO COLLECT BY:
REFUND DETERMINED BY: DATE:
PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION.

* AN ADDRESS MUST BE PROVIDED FOR VENDORS NOT FOUND ON THE VEND TABLE.

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