



National Hospital Medical Center

DL-01089601

Atlanta, Georgia 30323

Atlanta, Georgia 30323

January 8, 1996

Diane D. Heim
Nuclear Materials Licensing Section
Division of Radiation Safety and Safeguards
U.S. Nuclear Regulatory Commission, Region II
101 Marietta Street N.W.
Atlanta GA 30323 0199

RE: Facsimile dated December 26, 1995, regarding amendment of
Materials License No. 45-17123-01

Dear Ms. Heim,

This is to provide the information you requested to amend our
Radioactive Materials License No. 45-17123-01.

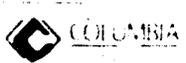
1. The new name of the hospital is **National Hospital Medical Center**.
2. The licensee contact is
Ronald E. Yates, President and CEO
Telephone: (770) 453-2411
3. Mr. Ronald E. Yates is the new President and CEO. A copy of his C.V. is enclosed. There are no changes in the radiation safety officer, authorized users, or any other persons identified on the previous license applications as responsible for radiation safety or use of licensed material.
4. The transferor will not remain in non-licensed business without the license.
5. Please refer to attached for information on the transaction.
6. No changes will be made in organization, location, facility, or procedures will be made. A replacement of the nuclear medicine camera system is planned and we will notify you when that replacement occurs.
7. No change will be made in the use, possession, location or storage of the licensed materials.



National Hospital Medical Center

8. No change in organization, location, facilities, equipment, procedures, or personnel that would require a license amendment even without the change of ownership.
9. All surveillance items and records are current. Dose calibrator linearities were performed January 30, April 24, July 31, and November 13, 1995. An inventory and leak testing of sealed sources was performed on November 9, 1995. Dose calibrator accuracy test was performed on May 18, 1995, and constancy checks are performed daily. Department daily surveys and weekly wipe test surveys have been done. Quarterly surveys are performed by a physicist and results of these surveys are in the Nuclear Medicine Department. All records of the above are kept in the Nuclear Medicine Department. The radiation safety committee meets quarterly and reviews all radiation safety policies and procedures and records. The minutes from these meetings are kept in the Nuclear Medicine Department. The November 13, 1995 survey performed by the physicist reported that all license requirements were satisfactory. A copy of this survey is attached.
10. All records will be transferred to the new license. All exposure and waste disposal records are kept in the Nuclear Medicine Department. No decommissioning of the facility will occur. All records will remain in their current location.
11. Weekly wipe testing is current and it was stated that no removable or fixed contamination is present. The last survey done by the physicist on November 21, 1995, revealed no gross contamination that were contaminated, especially in areas used in the department. A copy of the review of the records of this survey, completeness, and accuracy of entries were satisfactory. A copy of this survey is attached.
12. No change is required.
13. National Hospital Medical Center will abide by all requirements and representations previously made to the NRC by National Hospital for outpatients and Rehabilitation. National Hospital Medical Center accepts full responsibility for the site.

280891





National Hospital Medical Center

There are no open inspection items or resulting enforcement actions for closure with the NRC. The NRC safety inspection performed on June 16, 1999, found no violations.

- 14. National Hospital Medical Center and Columbia Healthcare Corporation attests to the agreement that the transferee assumes ownership and control of all physical materials and activities.
- 15. National Hospital Medical Center will comply with all constraints, conditions, requirements, responsibilities and commitments identified in the existing license.

If you require any further information, please feel free to contact me.

Sincerely,

Ronald E. Yates, CEO

200001

Ronald E. Yates

78 Camelot Drive
Huntington, West Virginia 25701

(304) 523-4911 Home
(304) 526-9100 Work

EDUCATION AND SPECIAL TRAINING

MPH (Hospital Administration) UCLA, 1975. BS (Business Administration) California State University, Sacramento, 1973. AA, San Jose Community College, 1971. Special training includes a one-year residency in a 333 bed specialty medical-surgical hospital.

PROFESSIONAL WORK EXPERIENCE

Chief Executive Officer (August 1993-Present)

At River Park Hospital System, a Columbia/HCA owned Behavioral Medicine System located in Huntington, West Virginia. River Park Hospital is a 165 bed inpatient tertiary facility in an expanding regional behavioral health system. It includes outpatient Mental Health centers, network alliances, joint ventures, managed psychiatric units in medical-surgical hospitals and working agreements throughout West Virginia, Ohio and Kentucky. Dramatic growth and improved operations have made this facility one of the strongest psychiatric enterprises for Columbia/HCA. On a 1993 to 1994 comparison, same store admissions increased 53%, inpatient census increased 76% and same store revenues increased by 87% to \$35 Million. A 22% improvement in labor productivity and other significant cost controls produced a 66% increase in EBD/TA to \$8.1 Million. The 1994 EBD/TA exceeded budget by \$2.8 Million resulting in a positive variance of 63%.

Vice President, Hospital Operations (1991-1993)

At Charter Medical Corporation (CMC), which is a Fortune 500 company specializing in freestanding behavioral medicine hospitals, a company officer responsible for ten hospitals in California, Nevada and Illinois. Charter recruited me from Community Psychiatric Centers to manage hospitals requiring turnaround attention. In comparing 1991 to 1992, my assigned hospitals averaged 500 inpatients per day, increased calls by 20%, admissions +13% and earnings by +35% on \$190 million gross revenues. During this same time competing hospital companies suffered major downturns in business. Adding significant alternative care services offset decreasing lengths of stay and resulted in a 1% increase in equivalent patient days. A new focus on improving labor productivity resulted in \$2.7 million savings in salary, wages and benefits. Charter's hospital marketing and professional reputation were improved in these markets.

200807

Vice President, Hospital Operations (1986-1991)

At Community Psychiatric Centers (CPC) which is a Fortune 500 company specializing in freestanding behavioral medicine hospitals, a company officer responsible for eight hospitals in Southern California. During my tenure new Medical Directors were recruited, mental health professionals were integrated into the hospitals, management was strengthened, clinical programs were enhanced with structured programs, and internationally known clinicians were retained. Five new hospitals were built or underwent replacement (Laguna Hills, Fontana, Encinitas, Santa Ana and Brea Canyon). In 1990 my eight California hospitals generated \$100 million gross revenues, increased patient days, maintained a 1.86 EPOB, achieved 38% profit margin on operations and increased EBITDA 42%. I earned Maximum bonus each year of employment with CPC. Prior to promotion to Vice President, I was the Administrator at Parkwood, a 152-bed hospital in Atlanta, Georgia. In 18 months, census increased from 80 to 121, accounts receivable lowered from 91 to 63 days, and staffing lowered from 2.2 to 1.72 EPOB. New programs were added and the hospital employees thought of themselves as winners. Parkwood was selected as "Hospital of the Year" in 1985. The FY 87 earnings exceeded FY 86 earnings by 47%.

Assistant Administrator and State Coordinator (1984-1986)

Staff Coordinator and planner for Director of Mental Health, State of Georgia, to implement new case management, day care, emergency and hospital care services through community mental health centers and 10 state hospitals. Assigned to Georgia Regional Hospital, which is a 356-bed state hospital in Atlanta, Georgia as Director of Planning and Development Division. Coordinated the Metro Mental Health Consortium, which processed mental health resources for 20% of the population of Georgia.

Medical Group Practice Manager and Consultant (1980-1984)

Practice manager for a specialty sports medicine orthopedic group in Southern California. Repositioned this five physician practice with an aggressive hospital system that would better support the mission of the practice. Negotiations included the long term funding of a ligament research center, sports medicine center and futuristic medical office space on the hospital campus for better partnering between the practice and the hospital. This practice significantly improved its cash flow and physician income levels as a result of professional management and representation. Other practice management assignments include the turnaround of an aligned physical therapy practice to the orthopedic group, urologists and the growth of Medical Design International in practice planning and design.

Assistant Hospital Administrator (1978-1980)

At St. Vincent Medical Center, a 306-bed non-profit medical-surgical hospital located in urban Los Angeles. Supervised the Medical Service Division consisting of the 10-12 major ancillary clinical departments representing 70% of hospital revenues typically found in a tertiary sub-specialty medical center.

Chief Operating Officer (1977-1978)

At General Hospital, which is a 197-bed rural non-profit medical-surgical hospital in Eureka, California. I was accountable for a wide scope of responsibilities in a high profile community position. I also managed the internal operations of the acute care hospital, the skilled nursing facility and the construction of a replacement facility. The management team was restructured, a labor monitoring program was implemented and a new medical office complex was developed. Considerable time was spent working effectively with a labor union.

Assistant Hospital Administrator (1975-1977)

At Santa Monica Medical Center, a 400-bed non-profit medical-surgical hospital in Santa Monica, California. I was accountable for 15 departments and ventures and served as the Budget Officer, Disaster Officer and elected Chair of the area PSRO committee. I implemented a labor monitoring system, authored a certificate of need application for cardiac Cath services and initiated a long range planning program in 1977 that resulted in physical plant replacement. I was responsible for the business office, accounts receivable and cash management.

MEMBERSHIPS, AWARDS AND ACTIVITIES

The President's Award 1994, Columbia HCA, West Virginia Hospital Association Board of Directors, 1985, United Way Board of Directors, Huntington, WV, 1995, Management Advisor, Huntington, WVA, 1995, Annual Meeting Chairman, 1990, Community Psychiatric Centers, Staffing Project on Model, a PC based staffing program, 1989, **Professional Service Award 1987**, Metropolitan Atlanta Mental Health Association, **Administrator of the Year 1987"** and **Program of the Year 1987,"** Community Psychiatric Centers.

PERSONAL BACKGROUND AND DATA

I lived in Illinois until 1965 and attended college for one year prior to enlisting in the US Navy in May 1966 for four years. I attended two schools for hospital corpsman training and served one year in Viet Nam as a platoon corpsman with the First Marine Division. I completed my enlistment as a department manager in a 900-bed hospital in Oakland, California. I was licensed as a RN and Nursing Home Administrator in California. I received my Masters in Public Health degree from the OIA, summa cum laude. Excellent references upon request. E. Yates

MID-ATLANTIC RADIATION PHYSICS, INC.
7233-D HANOVER PARKWAY • (301) 345-6803 • GREENBELT, MD 20770

RADIATION PROTECTION SURVEY
Nuclear Medicine Department
National Hospital for Orthopaedics and Rehabilitation
2455 Army Navy Drive
Arlington, VA 22206

November 9, 1995

- I. A survey was conducted on the above date, under the purview of NRC and Virginia regulations, conditions of the radioactive materials license and recommendations of the NCRP and JCAHO.
- II. INSTRUMENTATION:
 1. The following survey instruments were on-hand and were battery and source checked:
 - a. Eberline E-120 GM meter - check source reading of 0.5 mR/hr which is satisfactory; last calibrated 06/15/95.
 - b. Picker 655-186/198 GM meter - check source reading of 0.6 mR/hr which is satisfactory; last calibrated 05/23/95. Batteries were replaced in this meter.
 - c. Victoreen CDV-715 ionization meter - satisfactory; last calibrated 05/24/95.
 - d. Picker 655-186/241 GM meter - batteries satisfactory, source response satisfactory. Last calibrated 06/09/95.
 2. Quality control test results for the Biodex Atom Lab 200 dose calibrator was reviewed from 08/10/95 to 11/09/95:
 - a. Daily constancy - done on all days of patient treatment.
 - b. Linearity testing - Third quarter testing was performed on 07/31/95 with satisfactory results from 95 mCi to down to below 2 μ Ci. The technologist was aware that fourth quarter testing is currently due.
 - c. Accuracy - plotted daily with constancy test results. Assayed activities on 11/09/95 for the Co-57, Cs-137 and Ba-133 reference sources measured +1.6%, -3.8%, and -4.6% of their respective decay-corrected activities.
 - d. Geometry - last tested on 04/13/94 with satisfactory results.
- III. LAB SURVEY:
 1. Exposure rates measured < 0.1 mR/hr for general areas in the hot lab, at the L-block and in the scan room, and 0.3 mR/hr above the lead brick storage area in the hot lab. These values are acceptable and indicate no unshielded sources.
 2. The following items were posted in the lab:
 - a. "Notice to Employees"
 - b. License/license application (or note stating location)
 - c. Caution signs in areas of radioactive material usage
 - d. License VA-065-01 expires 01/97; NRC License #45-17123-01 expires 02/28/98
 - e. Copies of Parts 19, 20, 21, and 35 (or note stating location)
 3. A GM meter survey of the hot lab and trash receptacles revealed no areas or items that were contaminated.

2018/11

11/9/95
1700-95

- IV. REVIEW OF RECORDS: The following records were reviewed for accuracy, completeness, and timeliness of entry:
1. Daily area surveys - satisfactory; action levels have been changed to 5.0 mR/hr for restricted areas and 2.0 mR/hr for nonrestricted areas per NRC recommendation.
 2. Daily personnel surveys - satisfactory; action levels are recorded on the form.
 3. Weekly wipe surveys - satisfactory; action levels are recorded on the form.
 4. Receipt/inspection records - satisfactory.
 5. Waste disposal - satisfactory; last disposal recorded on 09/28/95.
 6. Meter constancy - satisfactory; the three GM survey meters are provided with dedicated check sources.
 7. Source inventory - satisfactory through the fourth quarter.
 8. Misadministrations - none reported.

NOTE: It was noted that the bar and flood images from the gamma camera have rapidly become of poor quality. It is recommended that this piece of equipment be repaired/replaced in the near future.

Ray Jackson (M.D.)
12/22/95

Jordie A. Keck
Jordie A. Keck, M.S.

MID-ATLANTIC RADIATION PHYSICS, INC.
 7233-D HANOVER PARKWAY • (301) 345-6803 • GRFENBELT, MD 20770

INVENTORY AND WIPE TESTING OF SEALED SOURCES
 Nuclear Medicine Department
 National Hospital for Orthopaedic and Rehabilitation
 2455 Army Navy Drive
 Arlington, VA 22206

November 9, 1995

The following sealed sources were inventoried and leak tested. Leak testing was conducted by wiping the sources and counting the wipes in a NaI well-counter having a background equivalent activity (B.E.A.) of 0.0009 μCi of Cs-137. No wipes revealed removable contamination in excess of the B.E.A., indicating non-leaking sources.

	Removable Activity (μCi)
1. Co-57 vial, North American Scientific A3571, 5.86 mCi on 08/01/95	< 0.001
2. Cs-137 vial, NEN 23-114-117, 203 μCi on 08/17/76	< 0.001
3. Ba-133 vial, NEN S358006-015, 246 μCi on 01/31/89	< 0.001
4. Co-57 flood, CIS 213/2189, 379 MBq on 06/25/93	< 0.001
5.* Cs-137 button, The Source, 1.0 μCi on 11/88	
6.* Cs-137 button, The Source, 1.0 μCi on 12/88	
7.* Cs-137 button, The Source, 1.0 μCi on 12/88	
8.* Cs-137 button, The Source, 1.0 μCi on 10/88	
9.* Cs-137 rod, Picker 658194, 0.8 - 1.0 μCi	
10.* Co-57 rod, NEN NES 100S, 0.111 μCi on 05/20/88	
11.* Cs-137 rod, NEN NES 100S, 0.104 μCi on 04/29/88	
12.* Co-60 rod, NEN NES 100S, 0.109 μCi on 05/02/88	
13.* Cd-109 rod, NEN NES 100S, 1.2 μCi on 02/24/88	
14.* Ba-133 rod, NEN NES 100S, 0.110 μCi on 03/11/88	
15.* Mn-54 rod, NEN NES 100S, 0.156 μCi on 03/11/88	
16.* Na-22 rod, NEN NES 100S, 0.103 μCi on 11/27/87	
17.* Co-57 vial, ICN, 3.2 mCi on 02/25/82	
18.* Co-60 vial, NEN, 51 μCi on 08/17/76	
19.* Co-57 vial, ICN, 5.66 mCi on 02/06/86	
20.* Co-57 vial, ICN, 5.14 mCi on 06/13/84	
21.* Co-57 vial, NEN, 5.5 mCi on 10/02/87	
22.* Cs-137 vial, NEN, 120.5 μCi (Mo-99 standard)	
23.* Co-57 vial, Amersham 9293MA, 5 mCi on 09/01/80	
24.* Radium meter calibration source, < 1 μCi	
25.* Picker Hemolitre 251100 S/N 380, < 16 μCi	
26.* Co-57 pointer, EMSA40, 4.05 MBq on 11/15/91	
27.* Co-57 vial, CTR.568 DU 897 5.54 mCi on 02/14/94	

*Exempt from leak testing; physical inventory only.

•Returned to vendor.

[Signature] 12/22/95
 Radiation Safety Officer Date

[Signature]
 Jordie A. Keck, M.S.

[Handwritten]
 1/20/95