RTCH: NASDAQ

TELEX: 642948 RNDH
ATTN: RAD TECH

Radiation Technology, Inc.

108 LAKE DENMARK ROAD, ROCKAWAY, N. J. 07866
(201) 625-8400

MARCH 24, 1986

Dr. Thomas Murley, Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pa. 19406

"OFFICIAL RECORD COPY"

Re: Docket No. 30-07022, License No. 29-13613-02
Conditional Rescisson of Order Suspending License

Dear Dr. Murley:

Shortly after we sent you our March 21, 1986 letter reflecting a new proposed organizational structure, we heard from the individual we had been trying to recruit for the Director of Operations position. The candidate, Dr. Robert Cockrell, is extremely well qualified for the position and has agreed to attend the meeting scheduled for 11 AM this morning. Dr. Cockrell's resume is enclosed. I plan to recommend Dr. Cockrell to our Board as the Vice President of Operations and believe that he will attain that role without any question, as early as the next Director's meeting scheduled for April 7, 1986. In the interim, Dr. Cockrell has been given complete operational authority for the Rockaway and Salem, New Jersey facilities with reporting responsibility directly to the Board of Directors. The Board is presently composed of 8 members, 6 outside and 2 from management. With the appointment of Dr. Cockrell to the operations role, and with the complete authority for implementing all aspects of the ongoing program, including training and reindoctination of operations personnel. We believe that the concern raised by the NRC over the role of management in assuring future compliance with all NRC regulations and license conditions, has been properly addressed.

Dr. Cockrell was involved with the construction of the Haw River, North Carolina irradiator, and served as Plant Manager during the initial licensing and operation of the facility. Dr. Cockrell was then retained by the Company as a consultant to perform unannounced inspections of the North Carolina plant and to submit audit reports to the plant manager and to the parent company management. As previously reported to the NRC, following 9 years of operational history including the West Memphis, Arkansas and Haw River, North Carolina plants, there were no infractions cited at either.

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Radiation Technology, Inc. has been under the supervision of a Third Party consultant and a Fourth Party auditor for the past two weeks at a cost to the Company of about $1500 per day. The reports submitted to the NRC by these consultants have shown that the Rockaway facility has operated without incident and the operational staff has performed in a highly satisfactory and professional manner.

Dr. Arnold Orlander, presently Vice President and General Manager of the Arkansas and North Carolina operations, will serve as Radiation Safety Officer for the Rockaway facility as he is now doing under the Salem license. Dr. Orlander had been proposed as the Vice President of Corporate Operations before we had heard from Dr. Cockrell. We now have two strong management individuals, with proven track records providing a check and balance to ensure full license and regulatory compliance. Both individuals have full Board authority to implement any necessary changes to our existing operating or training procedures, or to order a shut down of any operation deemed to be out of compliance.

During the 10 day shutdown, it is estimated that the Company lost approximately $30,000 in revenues, a costly lesson that we intend to avoid in the future. With a recognized nuclear industry expert in charge of all plant operations and with the recent successful audit of the Rockaway operations, we ask for immediate relief from the conditions imposed under the subject Order. The revised organizational flow chart is attached showing the role of Dr. Cockrell. Dr. Orlander, Dr. Cockrell, Mr. Sadek and Mr. Sonnemann will discuss the organizational changes and request for eliminating the conditions imposed under the Order during the March 24th meeting at King of Prussia. We appreciate your willingness to meet with our management and Directors.

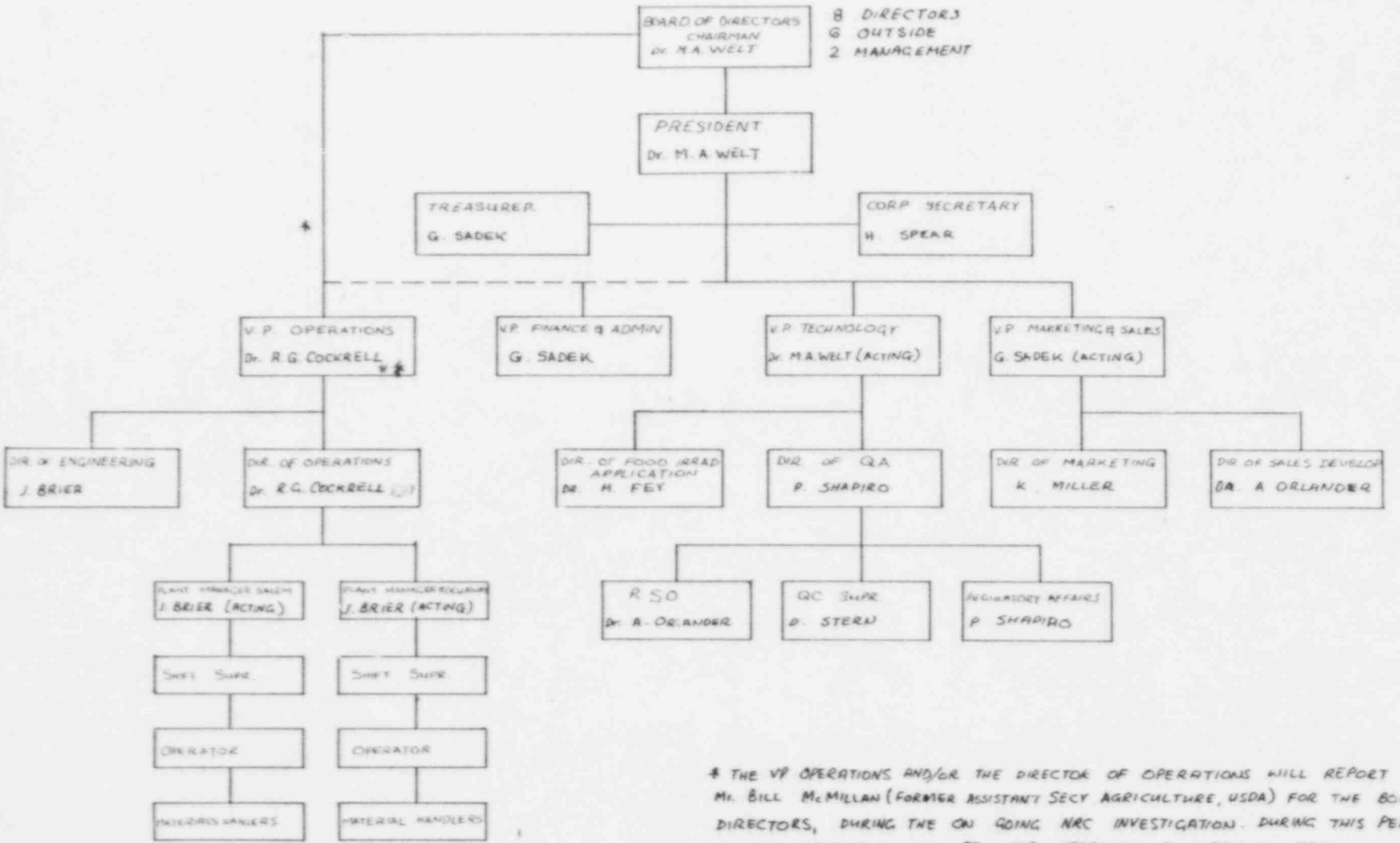
Sincerely yours,

Martin A. Welt, Ph.D.
President

MAW:jat

RADIATION TECHNOLOGY, INC.

3/23/86



THE VP OPERATIONS AND/OR THE DIRECTOR OF OPERATIONS WILL REPORT DIRECTLY TO MR. BILL McMILLAN (FORMER ASSISTANT SECY AGRICULTURE, USDA) FOR THE BOARD OF DIRECTORS, DURING THE ON GOING NRC INVESTIGATION. DURING THIS PERIOD, REPORTING TO THE PRESIDENT WILL BE FOR INFORMATIONAL PURPOSES ONLY.

PENDING APPROVAL BY B/D

3/24/86

Robert G. Cockrell

PROFESSIONAL RESUME

PERSONAL

Address:
Telephone:

EDUCATION

Doctor of Philosophy (1965)

Major:	Nuclear Engineering	University of Florida
Minors:	Physics and Math	Gainesville, Florida

Master of Science (1963)

Major:	Nuclear Engineering	University of Florida
Minors:	Physics and Math	Gainesville, Florida

Bachelor of Science with Special Distinction (1962)

Major:	Engineering Physics	University of Oklahoma
Minor:	Math	Norman, Oklahoma

REGISTRATION

Professional Engineer #11039 (North Carolina)

NATIONALITY

U.S. Citizen, S.S.N. 423-40-9009

AREAS OF EXPERTISE

Adult Training and Education

Developed and taught training programs to industry personnel and college courses to university students both live and on television.

Public Relations

Dynamic speaker on technical and non-technical topics before all age groups in person and on television. Experienced with news media and hostile audiences.

Technical Management

Project Manager of a multi-billion dollar project. Engineering Manager responsible for design and licensing of five power plants. Project manager for construction and startup of a food irradiation facility. Project Manager for decommissioning of a nuclear reactor.

Quality Assurance

Developed a QA program at a major private utility including staffing, procedure preparation, training, and implementation. Served on national committees. Chaired a national QA conference.

State and Federal Energy Regulations

Major responsibility in the licensing/permitting of ten energy facilities relative to construction, operation, and decommissioning. Taught a university course on licensing and regulation of nuclear power plants.

PROFESSIONAL EXPERIENCE

May 1983 to Present

President, Cockrell & Associates, Inc., Burlington, N.C.

Major Responsibilities: Technical Consultant. Provide technical management services and resources for high technology industries, including those associated with the use of nuclear radiation as a primary energy source. Provide education and training of technical and management personnel. Perform Quality Assurance audits and assist in the development and implementation of QA programs. Prepare licensing documentation for the operation of nuclear radiation facilities and assist in meetings with regulatory authorities.

August 1980 - May 1983

Director of Nuclear Reactor Program and Associate Professor of Nuclear Engineering, North Carolina State University, Raleigh, N.C.

Major Responsibilities: Directed the operation of a 1 MW research reactor and the operation of associated nuclear measurements and analysis laboratories. Taught courses in nuclear engineering, power plant design, and licensing & environmental impact of power plants. Decommissioned a 10 kw research reactor including preparation of project plan, interfacing with State and Federal regulatory authorities, resolution of waste disposal problems, and overall project management. Taught videotaped 3 credit hour college course to operations personnel at Brunswick Nuclear Station. Consulted with Carolina Power & Light Company on educational courses for operations personnel. Directed a feasibility study for providing educational courses to nuclear power plant operators at Virginia Electric Power Company. Taught radiation courses to civilian employees of the US Navy. Taught Nuclear Radiation workshops to high school juniors. Presented technical seminars, including a power plant design course to employees at the General Electric Nuclear Fuel Plant.

May 1977 - August 1980

Manager of Engineering Division, Washington Public Power Supply System, Richland, Washington

Major Responsibilities: Responsible for all engineering activities at WPPSS, including design, construction and licensing of five nuclear power plants and a 40,000 square foot office building. Professional staff of 130 engineers. Represented WPPSS in meetings with NRC and on AIF, EEI, APPA and Owner's Group Committees. Made technical presentations to the Board of Directors. News media spokesman on technical matters including impact of TMI on WPPSS plants.

July 1973 - April 1977

Quality Assurance Manager, Florida Power & Light Company, Miami, Florida
Major Responsibilities: All QA activities in the areas of design, construction, procurement, and operation of Turkey Point and St. Lucie nuclear power plants. Initially, the QA Department had four inexperienced personnel and no program. Two years later the QA Department had 45 personnel, a well established program recognized by utilities across the nation, and representatives on the major QA policy setting committees (e.g. ANSI N45-2 plus 5 subcommittees and ASME Section III) Chaired ASQC National Conference in 1976.

Project General Manager, South Dade Project, FPL
Major Responsibilities: Responsible for all activities related to design, procurement, licensing, and construction of two 1140 MWe Westinghouse PWR nuclear power plant. Interfaced with Bechtel Power Division, Gaithersburg on plant design. Prepared project budgets and plans. Interfaced with licensing agencies. To satisfy need for more nuclear engineers, set up an intensive 14-week course taught by the University of Florida to provide the fundamentals of nuclear power plant design to 53 employees.

Strategic Planner on the President's Staff, FPL
Major Responsibilities: Performed studies in the area of power generation planning. A principal area of study was coal-fired power generation and its associated environmental problems.

November 1967 - July 1973

Project Coordinator in the Reactor Engineering Section, Westinghouse Advanced Reactors Division, Waltz Mill, Pa.
Major Responsibilities: Coordinated the engineering analyses on the fuel irradiation program and the 1000 MWe liquid Metal Fast Breeder Reactor (LMFBR).

Manager of Safety and Licensing for LMFBR, WARD
Major Responsibilities: Developed and/or made operational more than 20 computer codes for analyzing reactor malfunctions from the postulated initiating condition to the final consequences. Established accident evaluation criteria. Developed principal design criteria. Founded the ANS-24 (Now ANS 54) Committee for development of LMFBR safety criteria.

Manager of Refueling and Service Systems, WARD
Major Responsibilities: Responsible for design of reactor auxiliary systems, refueling systems and containment. Represented WARD as liaison with architect-engineers (Ralph M. Parsons Co. and Burns & Roe) on overall plant layout and arrangement. Significant contributor to the effort that resulted in the award of the Clinch River Breeder Project to Westinghouse.

July 1966 - November 1967

Lead Engineer, Nuclear Rocket Propulsion Group, Boeing Aerospace Division Huntsville, Alabama
Major Responsibilities: Developed digital computer code for simulation of the thermal-hydraulic and nuclear kinetics of the NERVA nuclear rocket engine. Made operational shielding codes for evaluating nuclear heating of the rocket propellant. Taught a company course in nuclear rocket propulsion.

July 1965 - July 1966

Assistant Professor, Nuclear Engineering, University of Florida, Gainesville, Florida
Major Responsibilities: Taught courses in reactor physics, nuclear rocket propulsion, and radiological safety. Also, taught a 3-week course in Nuclear Power Plant Technology to the management personnel of Florida Power & Light Company. Performed research in reactor kinetics.

February 1962 - July 1965

Graduate Assistant and Atomic Energy Commission Fellow, University of Florida, Gainesville, Florida
Major Responsibilities: Taught "Introduction to Nuclear Engineering" and "Radiological Safety." Performed computer analyses of experimental data and analytical studies in the area of reactor kinetics.

SELECTED PUBLICATIONS AND PRESENTATIONS

"Decommissioning of the R-3 Reactor at North Carolina State University," paper presented at 1982 ANS Winter Meeting and project report to United Nuclear Corp.

"Feasibility Study for Providing Educational Courses to Nuclear Power Plant Operators," report completed December 15, 1982, under VEPCO contract #99-00-82-006.

"Quality Assurance, a Traditional Approach to Management," Sixth Annual National Energy Division Conference of the American Society of Quality Control, September, 1979.

"Communicating Technical Information in a Non-Technical Manner," Mexican-American Engineering Society Fourth National Symposium on Engineering, California State University, Fullerton, March, 1980.

"Florida Power and Light Nuclear Power Engineering Training Program," Transactions American Nuclear Society Eighth Biennial Topical Conference on Reactor Operating Experience, August, 1977.

PROFESSIONAL ASSOCIATIONS

National Society of Professional Engineers
Professional Engineers of North Carolina
American Nuclear Society