

Reactor Engineer Intern Program

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Reactor Engineer Intern Program

U.S. Nuclear Regulatory Commission

May 1992



Chairman Selin (center) and Commissioners Rogers, Romick, de Planque, and Curtis (left to right).

NRC's Office of Nuclear Reactor Regulation (NRR) established the Reactor Engineer Intern Program in April 1988 to bring new talent into professional positions in NRR and the regions. There are currently 52 interns enrolled in the program.*

**Formerly called the NRR Technical Intern Program*

Contents

	<i>Page</i>
The U.S. Nuclear Regulatory Commission	4
James M. Taylor, Executive Director for Operations	
The Office of Nuclear Reactor Regulation	5
Thomas E. Murley, Director	
Regional Administrators	6
Thomas T. Martin, Region I	6
Stewart D. Ebnetter, Region II	8
A. Bert Davis, Region III	9
Robert D. Martin, Region IV	10
John B. Martin, Region V	11
Reactor Engineer Intern Program	12
Guidance and Counseling	13
May 1992 Graduates and Mentors	14
Current Reactor Engineer Interns—Headquarters	26
Current Reactor Engineer Interns—The Regions	29
Mentors for NRC Reactor Engineer Interns	32
Former Reactor Engineer Intern Graduates	39
NRR Program Management, Policy Development and Analysis Staff	40
Acknowledgments	41

The U.S. Nuclear Regulatory Commission



MR. JAMES M. TAYLOR is the Executive Director for Operations. He is the chief staff official, managing day-to-day operations of the NRC and reporting directly to the five-member Commission. Mr. Taylor was appointed to this post in December 1989. Before that time, he held a number of executive positions in the NRC. Mr. Taylor received a Bachelor of Science degree from the U.S. Naval Academy and a Master of Science and Engineer's degree from the Massachusetts Institute of Technology.

"Attracting and retaining high-quality individuals is the key to this agency's effectiveness in carrying out its regulatory responsibilities. We need to ensure a continuing supply of skilled professionals if we are to maintain a highly capable workforce. Interns are one of our most valuable resources for meeting these future needs. I welcome the new graduates of this program into their permanent agency positions and urge them to continue to excel as they move to increasingly responsible positions at the NRC."

The mission of the U.S. Nuclear Regulatory Commission (NRC) is to ensure that civilian uses of nuclear materials in the United States—as in the operation of nuclear power plants or in medical, industrial, or research applications—are carried out with proper regard and provision for the protection of public health and safety, the environment, and national security. The NRC accomplishes its mission through the licensing and regulatory oversight of nuclear reactor operations and other activities that require the possession and use of nuclear materials. These activities include transporting and disposing of nuclear materials and wastes and safeguarding nuclear materials and facilities from theft and sabotage. To oversee these operations and activities, the NRC issues rules and standards for licensees and conducts inspection and enforcement activities.

These responsibilities are shared by three principal offices in headquarters, located in the metropolitan Washington, D.C., area: the Office of Nuclear Reactor Regulation, the Office of Nuclear Material Safety and Safeguards, and the Office of Nuclear Regulatory Research. Five regional offices, located in Pennsylvania, Georgia, Illinois, Texas, and California, also perform licensing and regulatory oversight activities.

The Office of Nuclear Reactor Regulation



DR. THOMAS E. MURLEY became Director of NRR in April 1987. Previously he had been Administrator of the Region I Office in King of Prussia, Pennsylvania, a position he assumed in June 1983. Dr. Murley received a B.S. in Engineering Mechanics from the University of Illinois in 1961 and an Sc.D in Nuclear Engineering from the Massachusetts Institute of Technology (MIT) in 1965. After graduating from MIT, he was appointed as a postdoctoral fellow at the Karlsruhe Nuclear Research Center in what was then West Germany.

"The strength of the Reactor Engineer Intern Program lies in the technical capability of the interns we hire who excel in various engineering disciplines. By choosing those who have excellent academic qualifications and adding the necessary training and development in nuclear engineering, we are creating top-quality professionals who meet the highest expectations of the NRC. Rotational assignments throughout NRR, to the regions, and to reactor sites increase an intern's overall effectiveness as an NRC employee. We have been able to attract high-quality interns from all over the country.

We are very proud of the young professionals graduating
(Continued)

The Office of Nuclear Reactor Regulation (NRR) is responsible for the licensing and regulatory oversight of nuclear reactors in the civilian sector. These reactors include both nuclear power reactors operated by the electric utilities and nonpower research reactors, such as those operated by the various universities.

The licensing activities of NRR begin with an extensive review of applications for construction permits and operating licenses for new reactors, and the complex procedures—including inspections from the outset of plant construction throughout a facility's eventual operating lifetime—leading to issuance of permits or licenses and licensing actions taken thereafter.

In recent years, the steady increase in the number of licensed operating nuclear plants and the corresponding decrease in the number of plants still under construction have brought about a substantial shift in NRC activity. Although staff energies are currently directed mainly to the safety and regulation of the nuclear power plants now licensed to operate in the United States, increased emphasis is being placed on the review of designs for new reactors and on the renewal of licenses that will expire in the next decades.

NRR is also responsible for developing, maintaining, and assessing the effectiveness of the Reactor Inspection Program. This program encompasses all applicant and licensee activities conducted while constructing and operating a nuclear facility.

(Dr. Thomas E. Murley,
continued)

today and those who still have a way to go until graduation. They not only maintain a demanding training schedule but are able, at the same time, to make valuable contributions to their assigned offices. The outstanding performance of these new engineers has made the Reactor Engineer Intern Program an unqualified success. The mentors and the program support staff also deserve special recognition for the amount of time and interest they have invested in these young people. Without their assistance, this program could not have achieved its current success level. We congratulate this year's graduates as they move on to responsible, permanent positions in NRR."



Regional Administrators



MR. THOMAS T. MARTIN
Region I

"The Reactor Engineer Intern Program is a major asset to the agency. The program ensures that recent engineering graduates are appropriately prepared to assume responsible positions on the NRC team, performing work that is vital to the public's interest. The key elements of the program involve an aggressive recruitment program to hire the very best, a rigorous training program to prepare the interns for early contribution to our mission of public health and safety, a planned

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Mr. Thomas T. Martin became Regional Administrator of NRC Region I April 1, 1990. He directs a staff of about 280 in the conduct of inspection, enforcement, and licensing activities in the 11 Northeastern States and the District of Columbia. The region is responsible for regulating 31 nuclear power plants, about 3,000 byproduct materials licensees, and several fuel facilities. Mr. Martin also directs regional relations with four Agreement States and the region's emergency responses to incidents and accidents.

Mr. Martin was born in Atlanta, Georgia, and received his Bachelor of Electrical Engineering Degree from the Georgia Institute of Technology in 1963. From 1963 to 1970, Mr. Martin served in the U.S. Navy, where he received his training in nuclear

(Mr. Thomas T. Martin, continued)

progressive set of work experiences to hone their skills and provide a broad introduction to the many facets of the agency, and an effective collaborative effort with intern mentors to ensure the program is effective in yielding NRC reactor engineers of the highest caliber. Based on my discussions with and observations of the current interns, and the significant efforts put forth by both the interns and their mentors I believe this program will prove to be an important first step in the development of many of the agency's future leaders. I welcome this group of graduates, look forward to working with them, and wish them well as they continue their careers in public service with our agency."

submarine technology operations. During this period, he served in various positions as an officer, a qualified submariner, and an instructor assigned to ship and prototype nuclear power plants. He also helped to develop, establish, and supervise the naval submarine school course for prospective naval nuclear engineering officers.

From 1970 to 1974, he worked as a supervisor at both commercial coal-fired and nuclear power plants. His work included the training of reactor operators and the preoperational testing of the Salem Nuclear Generating Station as an employee of the Public Service Electric & Gas Company of New Jersey.

Mr. Martin joined Region I of the then Atomic Energy Commission, now the NRC, in 1974 as a reactor inspector. He has been appointed to a series of positions of increasing responsibility: project inspector, inspection specialist in the Office of Inspection and Enforcement at NRC Headquarters, Chief of a Reactor Projects Section in Region I, Chief of the Engineering Branch, Director of the Division of Engineering and Technical Programs, Director of the Division of Radiation Safety and Safeguards, Acting Associate Director for Inspections and Technical Assessments in NRR, and Deputy Regional Administrator of NRC Region I.



MR. STEWART D. EBNETER
Region II

"The Reactor Engineer Intern Program is proving to be an excellent source of highly motivated, well-trained professionals who are prepared to meet the challenges of an evolving nuclear industry. Never before has such a large, diverse group been provided with the formal training and the hands-on experience that incorporate the headquarters and regional perspectives. As you move into more responsible positions, you and your colleagues ensure a bright and promising future for the NRC."

Mr. Stewart D. Ebnetter is the Regional Administrator of the Region II office in Atlanta, Georgia. Mr. Ebnetter joined the Atomic Energy Commission in December 1973 as a reactor inspector in the Region II office in Atlanta, Georgia. There he served as a nondestructive test engineer, and later he served as Chief of the Engineering Branch in the Region I office in King of Prussia, Pennsylvania. In January 1985, Mr. Ebnetter was appointed Director, Division of Reactor Safety, Region I. Additionally, he served as Director, Office of Special Projects, in headquarters before returning to the senior position of Director, Division of Radiation Safety and Safeguards, Region I.

Mr. Ebnetter received his B.S. in Electrical Engineering from Tri-State University in 1959 and an M.A. in Business Administration from Athens State College in 1971.

Before joining the NRC, Mr. Ebnetter served in the aerospace industry as the Vice President of Engineering, as the Reliability Department Head, as the Research and Development Manager, and in a variety of other positions with SPACO, Inc. Earlier, he was employed by the Boeing Company as a systems engineer on advanced weapon systems projects.



MR. A. BEPT DAVIS
Region III

"Region III supports and actively participates in the Reactor Engineer Intern Program. We extend our congratulations to the graduating interns, and we wish them success as they begin their careers in permanent assignments with the NRC."

Mr. A. Bert Davis is the Regional Administrator of the Region III Office in Glen Ellyn, Illinois. As Regional Administrator, Mr. Davis oversees NRC inspection and enforcement activities involving licensees in eight Midwestern States. Mr. Davis was appointed to this position in December 1986. Before this time, Mr. Davis held several high-level positions, which included Chief of the Reactor Projects Section 1 in NRC's Region I, Chief of the Fuel Facility and Materials Safety Branch in Region III, and Deputy Regional Administrator in Region III. Mr. Davis is a graduate of Carnegie Institute of Technology and holds a degree in Chemical Engineering. He also earned a Certificate in Nuclear Engineering from the Oak Ridge School of Reactor Technology and is a Registered Professional Engineer, Nuclear Option.



MR. ROBERT D. MARTIN
Region IV

"I am particularly pleased with the generally high quality of the intern candidates and graduates of the Reactor Engineer Intern Program. Their unique opportunity to receive broad training and exposure to NRC operations so early in their professional career offers a potential for them to advance through a wide range of agency offices. This is essential to help our long term planning for the future staffing of NRC."

Mr. Robert D. Martin has been Regional Administrator of the NRC's Region IV in Arlington, Texas, since October 1, 1984. Region IV has jurisdiction over the Commission's activities in 14 States: Arkansas, Colorado, Idaho, Kansas, Louisiana, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Utah, and Wyoming. An office in Denver that regulates uranium mills is also part of Region IV.

Originally from New York City, Mr. Martin earned a Bachelor of Mechanical Engineering Degree at the Polytechnic Institute of Brooklyn and graduate degrees in Nuclear Engineering at the University of Michigan.

Before being appointed to his present post, he was Deputy Regional Administrator at the NRC Region II office in Atlanta. He had been a member of the Region II technical staff since 1977. Before being named Deputy Regional Administrator, he served as a reactor projects section chief in the Reactor Operations Branch and as regional training officer. In 1979, while a member of Region II, he headed the NRC staff investigation into operational aspects of the Three Mile Island accident in Pennsylvania.

From 1974 to 1977, Mr. Martin was a reactor inspector stationed at the NRC Region III office in Glen Ellyn, Illinois. Earlier, he worked as an engineer for Union Carbide Company at Oak Ridge, Tennessee, and Tuxedo, New York; as a reactor manager and lecturer at the University of Michigan; and as a consultant to the Atomic Energy Commission.



MR. JOHN B. MARTIN
Region V

"Recruiting and retaining high-quality employees is one of the highest priorities for all NRC managers. The Reactor Engineer Intern Program, with its unique opportunities, offers a valuable recruitment method for attracting candidates, including minorities and women, who are smart and aggressive and who have a good potential for becoming senior managers within the agency. I endorse the program, congratulate the graduates, and look forward to the significant contributions that they can make to our organization."

Mr. John B. Martin is Regional Administrator of the NRC's Region V office in Walnut Creek, California. He was appointed to the position in April 1983. He joined the NRC in 1976 as Assistant Director for Fuel Cycle Safety and Licensing in the Division of Fuel Cycle and Material Safety.

The Region V office is responsible for NRC programs relating to inspection, licensing, investigation, and enforcement in the States of Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington.

Mr. Martin was Director, Division of Waste Management, in the Office of Nuclear Material Safety and Safeguards, from 1978 to 1983.

From 1962 to 1972, he worked with the Naval Reactors Division of the former Atomic Energy Commission as a nuclear component engineer and as a branch chief reporting to Admiral Rickover. He directed all of the refueling operations for the Naval Reactors Division at nine Government and private shipyards. He was Assistant Manager of the Schenectady, New York, Naval Reactors Office from 1972 to 1976.

Mr. Martin is a native of Peoria, Illinois. He received his Bachelor's Degree in Electrical Engineering from the University of Illinois in 1962 and was awarded a certificate in Nuclear Engineering from Bettis Reactor Engineering School in 1964.

Reactor Engineer Intern Program

The Reactor Engineer Intern Program provides a continuing group of highly qualified, broadly trained personnel who will assume professional positions in NRC. Its objectives are to train and develop recent engineering graduates who have only limited nuclear-related, industrial, and regulatory experience. Through a series of rotational and training assignments, the program gives the interns maximum exposure to the NRC's work and a broad perspective concerning the role played by each office of the NRC. Typically, the program includes rotational assignments at headquarters and at a regional office, as well as appropriate technical training. Upon successful completion of the 2-year program, interns are permanently assigned to a technical professional position that is based on their educational background, personal preference, and the needs of the NRC.

Interns are expected to complete approximately 17 weeks of formal training in nuclear reactor technology in the first year of the program and to read extensively to become familiar with NRC responsibilities and regulations.

Regional interns are selected by a regional office and spend most of their time in rotational assignments in that office or at power plant sites located within the region's jurisdiction. Regional interns also spend 6 months working at the NRR headquarters office in the metropolitan Washington, D.C., area.

Approximately 45 interns are expected to participate in the Reactor Engineer Intern Program at any given time; two-thirds work primarily at NRR headquarters and one-third at the regional offices.

Activities of Counseling

One of the most important participants of the intern program is the mentor, a senior staff member who is assigned to guide and assist one or more interns. Specifically, the mentor is responsible for reviewing and providing guidance on the individual development plan for the intern, advising and encouraging the intern throughout the 2-year program, and counseling the intern on any problems related to the program. The mentor meets with the intern regularly.

The supervisor for each 6-month rotational assignment develops elements and standards for the intern's performance. Supervisors also monitor progress, evaluate work performed during the rotation, and appraise the intern's performance at the end of each assignment.

The Reactor Engineer Intern Program Manager has the principal responsibility for coordinating the program and for ensuring that problems encountered by the interns are promptly and properly handled. The program manager develops the rotational assignments, ensures that the training schedule is followed and that interns are enrolled in the designated courses in the correct sequence, oversees the preparation of performance elements and standards for each 6-month rotational assignment, coordinates travel, participates in selecting new interns, analyzes program activities and makes recommendations for changes, and serves as liaison with the mentors, supervisors, and staff from other NRC offices.

May 1992 Graduates and Mentors



ERIC J. BENNER

graduated *summa cum laude* from Rensselaer Polytechnic Institute (RPI) with a B.S. in Nuclear Engineering, specializing in reactor engineering. Mr. Benner was president of the student chapter of the American Nuclear Society at RPI. His previous work experience was with the Engineering Department of General Dynamics' Electric Boat Division. He was then hired by the NRC as a reactor engineer for the Division of Reactor Safety in Region I. After working in the Operations Branch for 6 months, he completed a 7-month rotation to Seabrook Nuclear Station as a resident inspector, a 3-month rotation in the Events Assessment Branch of the Division of Operational Events Assessment, and a 3-month rotation as a project engineer in PD 1-2 in the Division of Reactor Projects. He is currently finishing a final rotation with the Division of Radiation Safety and Safeguards in Region I and intends to become a qualified inspector upon completion of the program.

"I accepted a position with the NRC because of the diversity of activities

that are available within the agency. Being part of the intern program allowed me the freedom to sit and be seen by much of the agency and to have a clearer picture of our overall mission. Having very little experience in the nuclear field other than from my academic study, I felt that the intern program was an excellent pathway to obtaining real world experience with nuclear power plants. I especially believe that the site rotation is invaluable because of the exposure to the inspection process and actual hardware, as well as exposure to the personnel whom we regulate. The knowledge I have gained during my membership in the intern program will be an invaluable asset throughout my career."



JAMES C. LINVILLE

Chief, Reactor Projects Branch 3, Division of Reactor Projects, Region I

"Eric Benner has received broad exposure to NRC operations through the intern program with his 6-month rotation to the sensitive Seabrook environment and his rotations to the events assessment and projects organizations in NRC. These experiences, coupled with his

assignment to the Performance Programs Section in the Region I Division of Reactor Safety, have equipped him to quickly become a contributor with just about any organizational element in the NRC. In all of these rotational assignments, Eric has demonstrated his ability to quickly assimilate a large amount of information and a strong interest in contributing to the safe operation of nuclear reactors."



SARITA BREWER

received a B.S. in Mechanical Engineering from Howard University. She worked 2 years for Stone and Webster Engineering as a pipe stress analyst in both the Boston, Massachusetts, and the Cherry Hill, New Jersey, offices and at the Shoreham nuclear site. Ms. Brewer also worked 5 years for PEPCO as an energy analyst, marketing electric space heat to commercial customers. In February 1989, Ms. Brewer joined the NRC in the intern program. After completing her rotations in September 1991, she joined the Reactor Systems Branch in the Division of Systems Technology for her permanent assignment.

"Having worked several places before joining the NRC, I was aware of the benefits of a rotational program and job-related training before a permanent assignment. My experience with the intern program was as beneficial as I expected. I was not only able to ease back into the nuclear field with my work assignments and technical training, but at the same time I was able to obtain an overview of the NRC and an understanding of how the various divisions and offices interrelate.

"I was accepted into the intern program during its inception, when the program was being formulated and was therefore still flexible. I was concerned with building a sound technical basis yet I had small children to consider. Through the advice of the Program Coordinator and my mentor, I was able to meet all my needs and still take advantage of the valuable training of the intern program. I completed rotations in Project Directorate II-3, the Mechanical Engineering Branch of the Division of Engineering Technology, the Reactor Systems Branch of the Division of Systems Technology, the Vendor Inspection Branch of the Division of Reactor Inspection and Safeguards, Region I and the Silver Cliffs Nuclear Power Plant, and the Office for Analysis and Evaluation of Operational Data in the Incident Response Center.

"I would like to take this opportunity to thank those of you who have been so helpful during my time as an intern as I take on the responsibilities of a reactor engineer."



FRANK J. CONGEL
Director, Division of Radiation Protection and Emergency Preparedness, NRR

"As part of her developmental program, Sarita served in technical engineering as well as in project management branches. She successfully completed comprehensive training that consisted of in-house formal courses and an on-the-job series of assignments. Sarita also had rotational assignments to Region I and the Incident Response Center. Her performance, particularly noteworthy as she is married and has two young children. As a result of her outstanding technical and interpersonal skills, Sarita has successfully completed the intern program and will continue to work in the mechanical engineering and reactor systems areas of NRR."



AMY CABBAGE

received a B.S. in Mechanical Engineering from the University of Virginia in May 1989. She joined the NRC shortly after graduation and finished the intern program in April 1991; she was then assigned to a permanent position in the Reactor Systems Branch in the Division of Systems Technology.

"The NRC Reactor Engineer Intern Program is an excellent training opportunity. I have been working in my permanent position with the Reactor Systems Branch for about 1 year and have had firsthand experience of the benefits that the training of the intern program will give me in my career with the NRC.

"In addition to numerous in-house training courses offered both at the Technical Training Center in Chattanooga, Tennessee, and at headquarters, I had the opportunity to work in many different areas within the agency. The formal technical training provided through the program was essential in giving me specific knowledge of nuclear power plant systems and operation to augment my engineering background.

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(Amy Cabbage, continued)

"I completed rotational assignments in Project Directorate V; the Reactor Systems Branch in the Division of Systems Technology; the Special Inspection Branch of the Division of Reactor Inspection and Safeguards; Region I in King of Prussia, Pennsylvania; the Pilgrim resident inspector's office in Plymouth, Massachusetts; and the Office of Enforcement. In all these assignments, I had the opportunity to interact with other NRC employees at many levels, building professional contacts throughout the agency that will aid in the performance of my current and future duties with the NRC."



JACK W. ROE
Director, Division of Licensee Performance and Quality Evaluation, NRR

"The NRC Reactor Engineer Intern Program provided a path for Amy to go from graduation from the University of Virginia to a permanent position in NRC in a very efficient manner. The combination of Amy's outstanding capabilities and the focused training and experience she received has been a benefit both to the NRC and Amy's NRC career."



DAVID T. DIEC
graduated from San Diego State University with a B.S. in Mechanical Engineering. Before he came to the NRC, he was employed at the Mare Island Naval Shipyard in Vallejo, California.

"I joined the NRC in May 1990 after more than a year in the nuclear program at the Navy Yard in California as an assistant shift test engineer and as a support systems engineer. As an intern in the NRC Reactor Engineer Intern Program, I performed an 8-month rotational assignment as a resident intern at the Three Mile Island Unit 1 (TMI-1) nuclear power plant; a 5-month assignment in the Reactor Systems Branch in the Division of Systems Technology to deal with shutdown and lower power operations risks at nuclear power plants in the United States; a 4-month assignment in the Division of Reactor Projects to provide resident support for the Arkansas nuclear plant and to perform a project engineer function for the Palisades plant; and a 6-month assignment in Region I, Division of Reactor Projects, on the Technical Support Staff."

"During the 2-year intern program, I was given the opportunity to gain insights into the roles of different organizations and their interactions in performing the agency's mission, as well as full responsibility in job-related functions."

"The intern program also provided me an opportunity to become part of a capable work force, to carry out the mission of the agency, and to meet the challenge of the ever-increasing complexity of nuclear issues through extensive classroom training and hands-on experience at reactor sites."

"I believe that the knowledge I have acquired through a vigorous training program, the opportunities to obtain exposure to technical issues, and the hands-on experience at reactor sites will be assets throughout my career."



JACQUE P. DURR
Chief, Engineering Branch, Division of Reactor Safety, Region I

"David has strong technical skills and devotes enormous energy to bringing problems to resolution. David is enthusiastic in his approach to assigned tasks and is able to focus his engineering talents effectively. Throughout his intern training, he"

made meaningful contributions to the NRC inspection program. For example, during his tour at Three Mile Island, he performed the Engineer's Safety Feature System Walkdown Procedure and a shutdown risk inspection diligently and with insight. The shutdown risk inspection contained elements of his personal originality. Wherever David goes in the NRC, we can expect him to perform at his highest level and pursue engineering excellence."



ANN DUMMER received a B.S. in Mechanical Engineering from Colorado State University. She entered the NRC Reactor Engineer Intern Program in June 1990. She is currently assigned to the South Texas Project in Region IV where she is working with the resident inspectors. Her permanent assignment will be with the Plant Systems Branch in the Division of Systems Technology.

"The intern program gave me an understanding of the functions of the NRC from many perspectives. I performed 6-month rotational assignments in the Vendor Inspection Branch,

Division of Reactor Inspection and Safeguards, Project Directorate V, and the Plant Systems Branch, Division of Systems Technology. I also performed an assignment in the Division of Reactor Projects in Region IV, which included 3 months at a reactor site. The variety of work assignments was complemented well by the formal training I received, and my supervisors challenged me to perform beyond my expectations. In each assignment, I was able to experience firsthand the details of the branch's responsibilities. At the same time, while rotating through the different divisions, I was exposed to the interrelationships between the groups in the NRC, and I gained an understanding of the 'big picture.' The intern program has given me the opportunity to grow professionally and personally. It has opened my eyes to the many career possibilities at the NRC, and I have learned ways to pursue my goals."



BRIAN K. GRIMES, Director, Division of Reactor Inspection and Safeguards, NRR

"Ann Fitzgerald Dummer came to the NRC with a Mechanical Engineering

degree and has had rotational assignments in vendor inspection, plant systems, and reactor projects as well as in Region IV. Ann has been proactive in exploring rotational alternatives, seeking advice but choosing her own path. Her performance in her technical assignments, her achievements in Technical Training Center courses, and her ability to team with others in a variety of work situations all indicate that the agency has made a good investment."



JEFFEREY F. HAROLD graduated from Virginia Polytechnic Institute and State University with a B.S. in Nuclear Science. He was examined by the Region III Inspector Qualification Board and was certified as a qualified region-based inspector. His permanent position will be as a project engineer in the Division of Reactor Projects.

"If I had started my career at the NRC without first going through the intern program, my knowledge of the agency and its mission would be light years behind what it is today. In my opinion, the program is a very efficient method of ensuring that the new NRC

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(Jefferey Harold, continued)

employee gets every opportunity to understand all that is involved in the regulation of nuclear power in the United States, particularly in the area of safety. The safe operation of plants as a prime objective was stressed in all my assignments.

"As an intern, I completed a series of rotational positions that gave me valuable working experience in several NRR divisions and in Region III. I learned about plant performance monitoring in the Division of Reactor Projects and actively contributed to the review of licensee amendments and the examination of allegations. In the Division of Systems Technology, I participated in the review of the new General Electric advanced boiling-water reactor design and learned how NRR conducts the technical review for design changes and modifications proposed by the licensee. In the Division of Reactor Inspection and Safeguards, I was a member of two inspection teams. My understanding of the inspection process deepened during my assignment to Region III as a resident inspector at the D.C. Cook plant.

"In parallel with these assignments, I completed several specialized training courses. These courses and the on-the-job training gave me the opportunity to improve technically and professionally.

"My mentor Jose Calvo kept in close contact with me and supported me when I needed it. All in all, the intern program gave me the chance to maximize my first years here by gaining a solid base of information about the many activities of the NRC."



JOSE A. CALVO
Assistant Director for Region I Reactors, Division of Reactor Projects, NRR

"Jefferey F. Harold is hard working, very enthusiastic, and a fast learner. He is very professional and pursued his assignments vigorously. Every one of his supervisors commended him for an impressive performance. It has been a pleasure to be associated with such a dedicated and competent young professional."



ALLISON KELLER
received a B.S. in Mechanical Engineering from the University of Florida and worked at General Dynamics' Electric Boat Division before joining the intern program. Ms. Keller will graduate from the intern program in 1992 and is applying for a position as a resident inspector.

"I joined the NRC after college graduation in 1990. I was attracted by the intern program, which looked to be the best training program available, and have been very pleased with my decision. I have performed rotational assignments in the Mechanical Engineering Branch, Division of Engineering Technology; Project Directorate 1-3; the Special Inspection Branch, Division of Reactor Inspection and Safeguards, Region I, and the resident's office at the Pilgrim nuclear power station. These rotations have allowed me to develop an integrated understanding of the work performed by the NRC. I have been fully supported and encouraged to take various training in areas required to complete my program, as well as in other areas in which I am particularly interested. I believe that the NRC has given me rewarding work and extensive opportunity to improve my knowledge and skills."



DENNIS CRUTCHFIELD
Acting Associate Director
for Advanced Reactors &
Special Projects, NRR

"Ms. Keller has been an enthusiastic and dedicated participant in the intern program. Her goals and objectives have maximized her contributions to the program areas she has worked in, as well as her own growth. Her assignments in the headquarters technical and projects areas provided Ms. Keller the opportunity to learn firsthand by doing. She completed more than a dozen inservice testing reviews and processed and issued numerous safety evaluation reports for Reactor Projects. Her involvement as a region-based and resident inspector allowed her to further demonstrate her abilities. Her dedication and technical skills should result in further success at the NRC."



ANTOINETTE MASSEY
graduated from Xavier University of Louisiana with a B.S. in Physics and from Howard University with an

M.S. in Nuclear Engineering. A Department of Energy Graduate Fellow, Ms. Massey divided her time between completing her core curriculum, meeting research requirements for the completion of her master's thesis "Dosimetry Problems Associated With the Use of Double Node Microwave Antennae in Simultaneous Intraoperative Hyperthermia and Intraoperative Radiation Therapy With Electrons," and fulfilling summer research commitments at the Oak Ridge National Laboratory. Her two primary research projects at Oak Ridge involved the use of lasers in the early detection of cancer and interferon as a bioindicator in blue gill hybrid fish.

Ms. Massey joined the NRC and the Reactor Engineer Intern Program directly after graduate school. Her rotations have included 6 months as a project engineer, 8 months as a reactor systems engineer, 11 months in the Medical, Academic, and Commercial Use Safety Branch of NMSS, and a 3-month rotation in both Region I and Region II. Her permanent assignment will be in the Radiation Protection Branch of the Division of Radiation Protection and Emergency Preparedness.

"To enter into a working environment where multiple disciplines and diverse

divisions function somewhat independently yet are committed to a focused operation requiring constructive, professional interaction can be an overwhelming venture for someone initially not quite certain about the specific function of any one of those divisions. How one goes about doing the best possible job when academia has dominated one's life for the past 25 years without coming across as a degreed novice is a complex and stressful dilemma. The intern program eliminates the guesswork; it becomes the bridge by which the transition from student to professional may be made. It is not a babysitting program; it is not a glamorous hand-holding, protect-all-who-enter program. It is not a stepping stone designed for minorities and women. It is a program requiring a commitment to continuous and intense technical training. It is a program that stretches and tests one's ability to adapt as managerial styles and technical requirements change (and at times drastically) from one rotation to the next. It is a program that has been either supported or dismissed, two extremes that introduce a healthy pressure on the technical and professional performance of the intern.

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(Antoinette Massey, continued)

The program creates an opportunity for growth, exposure, and guidance as carefully selected mentors share experiences and provide the guidance so necessary to extract the best performance from someone with very little professional work experience. The intern program is not a guarantee for professional success; it is a door to success. I will always be appreciative of the opportunity to walk through that door."



MARTIN J. VIRGILIO
Assistant Director for
Region IV & V Reactors,
Division of Reactor
Projects, NRR

"Antoinette (Toi) Massey received an M.S. in Nuclear Engineering from Howard University in 1989 and worked at Oak Ridge National Laboratory before joining the intern program. While participating in the intern program, Toi served in NRR, NMSS, and Region I. Through these rotational assignments, Toi demonstrated her strong interpersonal skills. Upon completion of the intern program, Toi will continue with the NRC, working in NRR in the radiation protection and health physics areas."



ISABEL MOGHISSI received a B.S. and an M.S. in Industrial and Systems Engineering from the Virginia Polytechnic Institute and State University. Ms. Moghissi entered the intern program immediately upon completing her master's degree and is currently performing her final rotational assignment. She is presently assigned to the Plant Systems Branch in the Division of Systems Technology, where she plans to remain upon completion of her internship in August.

"I joined the NRC in August 1990 as a reactor engineer intern. I performed a 7-month rotational assignment in the Division of Licensee Performance and Quality Evaluation, a 7-month assignment in the Division of Advanced Reactors and Special Projects, and a 7-month assignment in Region I (including 4 months at the Salem Nuclear Generating Station). Currently, I am performing a 4-month shared assignment in the Division of Systems Technology and the Division of Reactor Inspection and Safeguards.

"Each rotational assignment has presented me with a unique perspective of the implementation of the NRC's mission, and I believe I have acquired a balanced view of the specific activities that form its foundation. Each assignment was also punctuated by extensive amounts of technical training, thus providing me a solid basis with which to apply my engineering skills to the nuclear power plant environment. I worked with experienced professionals who showed clear dedication to the performance of their job responsibilities, as well as a strong commitment to providing less experienced engineers like myself with the tools necessary to perform with technical competence and professionalism.

"I am grateful for the time and effort that the NRC has chosen to invest in my development; this investment will continue to heighten my individual contribution to the NRC mission throughout my tenure here."



CECIL O. THOMAS
Deputy Director, Division of Licensee Performance and Quality Evaluation, NRR

"Isabel Moghissi exemplifies the Reactor Engineer Intern Program at its best. Her outstanding qualifications not only provided her with a solid foundation for the program, but also enabled her to contribute immediately to the NRC's mission. Her rotational and training assignments have provided her with a broad perspective of the NRC and have equipped her to perform in a wide range of positions. As a result of her background, her program experience, and her enthusiasm and self-motivation, Isabel has become a truly valuable asset to the NRC."



JOHN MONNINGER
graduated from the University of Maryland with a B.S. in Nuclear Engineering. John finished the intern program in July 1991 and is now assigned to the Plant Systems Branch in the Division of Systems Technology to work with severe accident and containment issues.

"Completing the NRR intern program provided me with essential information on the responsibilities of the various NRC offices and their interactions. This information was gained through completion of rotational assignments in Project Directorate IV, where I worked with operating reactors; in the Standardization Project Directorate, where I worked with advanced reactors; in the Plant Systems Branch of the Division of Systems Technology; and in Region III. Through insightful discussions with my mentor, these rotational assignments were chosen, along with complementary formal training courses at the Technical Training Center,

to best match my future career interests. I believe my qualifying as a regional inspector in Region III after completing a year at the Dresden and Byron sites marked the culmination of my tenure in the intern program. Although numerous people are responsible for the success of the intern program as a whole, I believe my success is attributable to the dedication and willingness of the supervisors for whom I worked and their commitment to encourage growth in new employees."



GARY M. HOLAHAN
Deputy Director, Division of Systems Technology, NRR

"John Monninger joined the NRC and the intern program in early 1989 after graduating from the University of Maryland with a B.S. in Nuclear Engineering. He has done so well in his rotational assignments that each group has attempted to lure him back into a permanent position. John was also one of the first interns to undertake the difficult task of inspector qualification in a regional office. John brings a freshness and an enthusiasm to his work that is an inspiration to us all."



BRIAN J. McDERMOTT graduated from the Pennsylvania State University with a B.S. in Nuclear Engineering. He was hired by Region I in June 1990 and was assigned to the Technical Support Staff in the Division of Reactor Projects. Assignments while on the Technical Support Staff included assisting on the intern site rotation plan and Region I Plant Status Reports, writing a regional instruction, and participating in a maintenance team inspection. Mr. McDermott's first rotation was to the Susquehanna nuclear power plant in north-east Pennsylvania. During this 8-month assignment, he performed inspections, assisted the resident inspectors, learned about plant operation and maintenance, and became familiar with the utility's onsite organization and management. After the site rotation, Mr. McDermott went to NRR for a 3-month assignment with Project Directorate V and a 3-month assignment with the Instrumentation and Control Systems Branch of the Division of Systems Technology. The projects assignment was spent

working on licensing actions for the Diablo Canyon and Washington Nuclear 2 plants. During his instrumentation and control rotation, Mr. McDermott participated in the review of a digital reactor protection system and responded to a region's request for technical assistance. Mr. McDermott's current rotation is with the Region I Division of Reactor Safety, where he will participate in region-based team inspections. After graduation from the intern program, Mr. McDermott plans to go before the Resident Inspector Qualification Board. He will then apply for a resident inspector position.

"The Reactor Engineer Intern Program provides excellent opportunities for entry-level employees. As part of the program, I have had more than 13 weeks of formal training and several challenging rotational assignments. However, I feel the greatest benefit the program offers new employees is the opportunity to get a 'big picture' of the agency very early in one's career. Understanding how various branches of the agency do business and having contacts outside your area of expertise will enhance the performance of a graduate of the intern program throughout his or her career."



LEE BETTENHAUSEN
Chief, Operations
Branch, Division of Reactor Safety, Region I

"Brian McDermott joined NRC in Region I after his graduation from the Pennsylvania State University. He completed his initial training and his technical training and was then stationed at the Susquehanna Steam Electric Station to familiarize himself with plant operations and resident inspector duties. He moved from Susquehanna to NRC headquarters, where he served in NRR. His final intern assignment will be in the Division of Reactor Safety in Region I as a systems engineer. Brian and NRC have benefitted greatly from his intern assignments."



DARRELL ROBERTS received a B.S. in Mechanical Engineering from the Virginia Polytechnic Institute and State University. During his studies, he worked as a co-op engineer for the Virginia Electric and Power Company at its North Anna Power Station. Mr. Roberts is presently assigned to the Office of Enforcement, his sixth divisional assignment. His short-term goals include becoming a resident inspector in Region II.

"I joined the NRC in July 1989 after having been introduced to the nuclear power industry through Virginia Tech's cooperative education program. As an intern, I've completed assignments in six divisions

in three offices. Highlights of my intern years include a stint with the Special Inspection Branch, Division of Reactor Protection and Safeguards, NRR, during which I participated in a construction-based inspection at the unfueled Watts Bar site. Most beneficial was my year-long rotation to Region II where I qualified as a resident inspector at the Shearon Harris site. Rotations in other branches and divisions (reactor projects and plant systems in NRR, reactor safety and reactor projects in Region II, and the Office of Enforcement) definitely contributed to a better understanding for me of how the agency operates as a whole. With each rotation serving as a foundation for the next, my learning curve grew exponentially over the course of my 3 years in the program.

"Although I was learning more and more with each assignment, the most important piece of knowledge I acquired was that you can never know 'everything' about this industry. It is and has always been a continuous learning process. Nevertheless, the intern program attempts to teach

'green' new employees as much as they can handle about NRC operations through an array of special training and job assignments. Thus, I exit this program with nothing but praise for its effectiveness in launching the careers of myself and others in the agency."



CHARLES E. ROSSI
Director, Division of Operational Events Assessment, NRR

"Darrell Roberts is a particularly good example of how an intern can make the most of the program. In my meetings with Darrell, I have been impressed with the careful thought and planning he has given to his career development. He has established definite goals for himself and then ensured that he did everything possible to meet them. In all of his assignments, he successfully balanced his professional development with the need to contribute to the NRC's mission. Darrell has also demonstrated the communications skills important to future success at the NRC. His enthusiasm and technical competence make him a valuable professional employee for the agency."



DONNA SKAY
has a B.S. in Mechanical Engineering from the University of Maryland.

"My participation in the intern program consisted of rotations in the Mechanical Engineering Branch in the Division of Engineering Technology, the Division of Reactor Projects, the Special Inspection Branch in the Division of Reactor Inspection and Safeguards, the Division of Reactor Projects in Region I, including 4 months at a reactor site; and the Office for Analysis and Evaluation of Operational Data. In each of these rotations, I increased my understanding of plant systems and components and became familiar with different aspects of the regulatory process. I believe that the variety of people and the number of issues I worked with will be useful in any position I hold in the agency. In addition to the rotational assignments, I found the technical training, professional development courses, and opportunities to participate in tours, meetings, and inspections to be worthwhile

experiences. Overall, the willingness to help and the encouragement of my mentor, my supervisors, and other branch members contributed to make this program a very positive experience for me."



MARTIN J. VIRGILIO
Assistant Director for Region IV & V Reactors, Division of Reactor Projects, NRR

"Donna Skay began her engineering studies at Oakland University and received a B.S. in Mechanical Engineering from the University of Maryland in 1990. While participating in the intern program, Donna served in NRR, Region I, and at the Peach Bottom plant. Through the rotational assignments and academic achievements associated with the intern

program, Donna consistently demonstrated motivation and professionalism as she developed and exercised her knowledge and skills in several key NRC program areas. After completion of the intern program, Donna will continue her career with the NRC in the Division of Reactor Projects."



DAVID SOLORIO graduated from the University of California in Santa Barbara with a B.S. in Nuclear Engineering.

"Reflecting back over the past few years, I think the intern program turned out to be everything I had expected and much more. After six rotational assignments, enhanced by training at the Technical Training Center, I acquired the skills and knowledge to confidently accept a position as

a resident inspector at the San Onofre Nuclear Generating Station. As an intern, I completed rotational assignments in the Division of Reactor Projects, Project Directorate 1-2; the Events Assessment Branch, the Division of Operational Events Assessment; the Special Inspector Branch, the Division of Reactor Inspections and Safeguards; the Division of Reactor Safety and Projects, Region V; the Reactor Projects Branch, the San Onofre Nuclear Generating Station; and finally, the Reactor Operations Analysis Branch, Division of Safety Programs, Office for Analysis and Evaluation of Operational Data. In addition to developing my technical abilities through training and rotational assignments, I acquired an understanding of how organizations within

the agency are integrated to achieve the agency's mission. I expect this knowledge to be very valuable in the future."



BRUCE A. BOGER
Director, Division of Reactor Projects—Regions III, IV, V, NRR

"Dave Solorio made my role as his mentor very easy and quite enjoyable. His enthusiasm and willingness to tackle various assignments provided him the maximum benefit during each rotational assignment. Dave was blessed with supervisors who let him learn, yet also provided him with tasks that forced him to stretch and grow. Dave has taken a position outside NRR, so I could view him as 'a good one that got away,' but instead I will consider him as an intern program success with a future home in NRR."

Current Reactor Engineer Interns – Headquarters



C. KENNETH BATTIGE received an S.B. in Materials Science and Engineering from the Massachusetts Institute of Technology in June 1990.



KARLA M. BRISTOW received a B.S. in Nuclear Engineering from the University of Illinois (Urbana-Champaign) in May 1991.



SCOTT C. FLANDERS received a B.S. in Mechanical Engineering from the University of Maryland in December 1990.



MICHAEL FRANOVICH has a B.S. in Nuclear Engineering from the University of Florida.



MAUETTE GRIGGS received a B.S. in Mechanical Engineering from the University of Maryland—Baltimore in December 1990.



SAMUEL S. LEE received a B.S. in Biochemistry from the Virginia Polytechnic Institute & State University (VPI & SU) in June 1987 and an M.S. in Industrial & Systems Engineering—Human Factors Engineering option with

further training in Safety Engineering from the VPI & SU in June 1991.



DUC T. NGUYEN received a B.S. in Electrical Engineering from George Washington University.



DANIEL M. O'NEAL received a B.S. in Nuclear Engineering from the University of Wisconsin—Madison in December 1990 and a B.A. in Applied Mathematics from the University of Wisconsin—Milwaukee in May 1987.



VONNA L. ORDAZ
received a B.S. in Mechanical Engineering from the University of Maryland in August 1991. She also earned an A.A. in Engineering Science at Montgomery College in Rockville, Maryland, in May 1989.



WILLIAM D. PEGG
received a B.S. in Mechanical Engineering from Rutgers University.



HOWARD J. RATHBUN
received a B.A. in Mathematics from St.

Mary's College of Maryland and an M.S. in Mechanical Engineering from the University of Maryland.



CHRISTOPHER REGAN
received a B.S. in Mechanical Engineering from the University of Maryland in December 1990.



STEVEN P. SANCHEZ
received a B.S. in Nuclear Engineering from the University of New Mexico, Albuquerque, in August 1990.



SERITA SANDERS
received a B.S. in Mechanical Engineering from Howard University.



JOHN P. SEGALA
received a B.S. in Mechanical Engineering from the University of Maryland in December 1990.

Current Reactor Engineer Interns - Headquarters



CHRISTOPHER SKINNER received a B.S. in Industrial Engineering from Alfred University in May 1989 and an M.S. in Industrial Engineering from Alfred University in October 1990.



GIDGET SMITH received a B.S. in Ceramic Engineering from Rutgers University and was an NRC summer intern before joining the Reactor Engineer Intern Program.



DEIRDRE SPAULDING received a B.S. in Electrical Engineering

from Howard University and an M.S. in Engineering Administration from George Washington University.



NARVAEZ L. STINSON received a B.S. in Physics from Alabama A&M University in December 1990.



MARVIN D. SYKES received a B.S. in Applied Physics from Alabama A&M University in December 1990.



FRANCIS X. TALBOT received a B.S. in Nuclear Engineering from

the University of Maryland. Before joining the NRC, he was an intern at the Department of Energy.



LINH N. TRAN received a B.S. in Electrical Engineering from the University of Maryland.



CORRETTA Y. YATES received a B.S. in Mechanical Engineering from South Carolina State College in May 1990.

Current Reactor Engineer Interns - The Regions

REGION I



CHERYL BEARDSLEE received a B.S. in Mechanical Engineering from Virginia Tech in 1991.



BETH E. KORONA received a B.S. in Nuclear Engineering from Rensselaer Polytechnic Institute in 1991.



JAMES MEDOFF received a B.S. in Chemistry from the University of California in Irvine and an M.S. in Materials Engineering from Drexel University.



ROBERT G. SCHAAF received a B.S. in Mechanical Engineering from Georgia Tech in 1988.



RICHARD SKOKOWSKI received a B.S. in Electrical Engineering from Temple University in 1991.



BRENDA J. WHITACRE received a B.S. in Nuclear Engineering from the Pennsylvania State University in 1983. She was employed by the Department of the Navy, David

Taylor Research Center, Bethesda, Maryland, before joining the NRC in 1989 as a reactor engineer.

REGION II



THOMAS FARNHOLTZ received a B.S. in Mechanical Engineering from San Diego State in 1991.



MICHAEL T. JANUS received a B.S. in Mechanical Engineering from the Worcester Polytechnic Institute in 1991.



TILDA Y. LIU
received a E.S. in Electrical Engineering from Georgia Tech in 1990.



NANCY L. SALGADO
received a B.S. in Electrical Engineering from New Mexico State in 1990.

JOELLE STAREFOS
received a B.S. in Mechanical Engineering from Southeastern Massachusetts University in 1991.

REGION III



MEENA K. KHANNA
received a B.S. in Materials Engineering from Purdue in May 1991.



DORIS LIAO
received a B.S. in Electrical Engineering from the University of Illinois in June 1991.



KAREN MARCUS
received a B.S. in Geological Engineering from the University of Missouri--Rolla in August 1989.



CHRISTOPHER ORSINI
received a B.S. in Mechanical Engineering from Worcester Polytechnic Institute in May 1991.



DAVID E. ROTH
received an M.S. in Nuclear Engineering from the University of Iowa in December 1989.

REGION IV



VINCENT G. GADDY
received a B.S. in Engineering Technology --Electrical from the University of Arkansas in 1987.



DENISE M. GARCIA
received a B.S. in Electrical Engineering from New Mexico State University in 1990.

REGION V



VIRGIL LEE BEASTON
received a B.S. in Physics & Electrical Engineering from Penn State in 1991.



WAYNE L. JOHNSON
received a B.S. in Nuclear Engineering from the University of California -- Berkeley in 1991.



JEFFREY LAWMAN
received a B.S. in Mechanical Engineering from the University of California - Davis in 1991.

Mentors for NRC Reactor Engineer Interns



ELINOR G. ADENSAM is the Director of Project Directorate II-1 in the Division of Reactor Projects I/II. She is the mentor for Karla K. Bristow.



WILLIAM L. AXELSON is the Deputy Director of the Division of Radiation Safety and Safeguards in Region III. He is the mentor for Meena K. Khanna.



WILLIAM BECKNER is the Chief of the Risk Applications Branch in

the Division of Radiation Protection and Emergency Preparedness. He is the mentor for Christopher Skinner.



RONALD R. BELLAMY is the Chief of the Nuclear Materials Safety Branch in the Division of Radiation Safety and Safeguards, Region I. He is the mentor for Brenda J. Whitacre.



HERBERT N. BERKOW is the Director of Project Directorate II-2 in the Division of Reactor Projects—I/II. Mr. Berkow is the mentor for Linh Tran.



LEE BETTENHAUSEN is the Chief of the Operations Branch for Region I. Mr. Bettenhausen was the mentor for Brian McDermott.



SUZANNE C. BLACK is the Director of Project Directorate IV-2 in the Division of Reactor Projects—III, IV, V. She is the mentor for Corretta Y. Yates.



ALLEN R. BLOUGH is the Chief of the Reactor Projects Branch #2 in the Division of Reactor Projects, Region I. He is the mentor for Robert G. Schaaf.



JOSE A. CALVO is the Assistant Director for Region I Reactors, Division of Reactor Projects I/II. Mr. Calvo was the mentor for Jefferey Harold.



FRANK J. CONGEL is the Director of the Division of Radiation Protection and Emergency Preparedness. Mr. Congel was the mentor for Sacha Brewer.



BRUCE A. BOGER is the Director of the Division of Reactor Projects—III, IV, V. Mr. Boger was the mentor for David Solorio and is the mentor for Steven Sanchez.



ROBERT A. CAPRA is the Director of Project Directorate I-1 in the Division of Reactor Projects I/II. He is the mentor for Daniel M. O'Neal.



CURTIS J. COWGILL is the Chief of the Reactor Projects Branch #1 in the Division of Reactor Projects, Region I. He is the mentor for Cheryl D. Beardslee.



SAMUEL J. COLLINS is the Director of the Division of Reactor Safety in Region IV. He is the mentor for Vincent G. Gaddy.

Mentors for NRC Reactor Engineer Interns



JOHN W. CRAIG is the Director of the License Renewal Project Directorate in the Division of Advanced Reactors & Special Projects. He is the mentor for Samuel S. Lee.



DENNIS CRUTCHFIELD is the Director of the Division of Advanced Reactors and Special Projects. Mr. Crutchfield is the mentor for Serita Sanders and was the mentor for Allison Keller and Sheri Peterson.



JACQUE P. DURR is the Chief of the Engineering Branch for Region I. Mr. Durr was the mentor

for David Dice and is the mentor for Beth Korosa.



WILLIAM L. FORNEY is the Deputy Director of the Division of Reactor Projects in Region III. He is the mentor for Doris Liao.



ALBERT F. GIBSON is the Deputy Director of the Division of Reactor Safety in Region II. He is the mentor for Nancy L. Salgado.



ANTHONY T. GODY, SR. is the Chief of the Policy Development and Technical Support Branch. He is the mentor for Howard J. Rathbun.



EDWARD GREENMAN is the Director of the Division of Reactor Projects Region III. He is the mentor for Christopher N. Orsini.



BRIAN K. GRIMES

is the Director of the Division of Reactor Inspection and Safeguards. Mr. Grimes was the mentor for Victor McCree and Ann Dummer.



JON R. JOHNSON

is the Deputy Director of the Division of Reactor Projects in Region II. Mr. Johnson is the mentor for Joelle Starefos.

Safety & Safeguards Branch in the Division of Radiation Safety and Safeguards, Region I. He is the mentor for Richard A. Skokowski.



EUGENE M. KELLY

is the Chief of the Technical Support Staff for Region I. Mr. Kelly is the mentor for James Medoif.



GARY M. HOLAHAN

is the Deputy Director of the Division of Systems Technology. Mr. Holahan was the mentor for John Monninger and is the mentor for Narvaez Stinson.



ROBERT C. JONES, JR.

is the Chief of the Reactor Systems Branch, Division of Systems Technology. He is the mentor for Christopher M. Reagan.



GUS C. LAINAS

is the Assistant Director for Region II Reactors, Division of Reactor Projects I/II. He is the mentor for John P. Segala.



JAMES H. JOYNER III

is the Chief of the Facilities Radiological

Mentors for NRC Reactor Engineer Interns



JOHN T. LARKINS is the Director of Project Directorate IV-1, Division of Reactor Projects—III, IV, V. Dr. Larkins is the mentor for Gidget Smith and Maudette Griggs.



JAMES C. LINVILLE is the Chief of Reactor Projects Branch 3, Division of Reactor Projects, Region I. He was the mentor for Eric J. Benner.



LEDYARD B. MARSH is the Director of Project Directorate III-1, Division of Reactor Projects—III, IV, V. He is the mentor for Scott C. Flanders.



THOMAS O. MARTIN is the Deputy Director of the Division of Reactor Safety in Region III. He is the mentor for David E. Roth.



ELLIS MERSCHOFF is the Deputy Director of the Division of Reactor Safety in Region II. He is the mentor for Thomas R. Farnholtz.



JAMES L. MILHOAN is the Deputy Regional Administrator for

Region II. He is the mentor for Michael T. Janus.



HUBERT (HUB) MILLER is the Director of the Division of Reactor Safety in Region III. He is the mentor for Karen Marcus.



JOHN MONTGOMERY is the Deputy Regional Administrator of Region IV. He is the mentor for Denise M. Garcia.



SCOTT NEWBERRY is the Chief of the Instrumentation and Control Systems Branch of the Division of Systems Technology. Mr. Newberry is the mentor for Deirdre Spaulding.



LUIS A. REYES is the Director of the Division of Reactor Projects in Region II. He is the mentor for Tilda Y. Liu.



CHARLES E. ROSSI is the Director of the Division of Operational Events Assessment. Mr. Rossi was the mentor for Darrell Roberts and is the mentor for Frank Talbot.



KENNETH PERKINS, JR. is the Deputy Director of the Division of Reactor Safety and Projects for Region V. Mr. Perkins is the mentor for Wayne Johnson and Jeffrey Lawman.



JAMES RICHARDSON is the Director of the Division of Engineering Technology. Mr. Richardson was the mentor for Garry Garten and is the mentor for Duc Nguyen and Kenneth Battige.



ROSS A. SCARANO is the Director of the Division of Radiation Safety and Safeguards in Region V. He is the mentor for Virgil Lee Beaston.



JACK W. ROE is the Director of the Division of Licensee Performance and Quality Evaluation. Mr. Roe was the mentor for Amy Cabbage.



ASHOK C. THADANI is the Director of the Division of Systems Technology. Mr. Thadani was the mentor for Debbie Jackson and is the mentor for William Pegg.

Mentors for NRC Reactor Engineer Interns



CECIL O. THOMAS is the Deputy Director of the Division of Licensee Performance and Quality Evaluation. Mr. Thomas was the mentor for Isabel Moghissi.



WILLIAM D. TRAVERS is the Deputy Director of the Division of Advanced Reactors & Special Projects. He is the mentor for Marvin D. Sykes.



JOHN A. ZWOLINSKI is the Assistant Director for Region III Reactors in the Division of Reactor Projects—III, IV, V. Mr. Zwolinski is the mentor for Michael Franovich and Vonna Ordaz.



MARTIN J. VIRGILIO is the Assistant Director for Region IV & V Reactors in the Division of Reactor Projects—III, IV, V. Mr. Virgilio was the mentor for Antoinette Massey and Donna Skay.

Former Reactor Engineer Intern Graduates

The following individuals are graduates of the Reactor Engineer Intern Program and are assigned to NRR.

1990

SHERI R. PETERSON

Project Manager
PD IV-1
Division of Reactor
Projects—III, IV, V

1991

GARRY E. GARTEN

Electrical Engineer
Instrumentation and
Control Systems Branch
Division of Systems
Technology

DEBORAH A. JACKSON

Mechanical Engineer
License Renewal Project
Directorate
Division of Advanced Re-
actors and Special Pro-
jects

VICTOR M. McCREE

Project Manager
Nonpower Reactor,
Decommissioning, and
Environmental Project
Directorate
Division of Advanced
Reactors and Special Pro-
jects

NRR Program Management, Policy Development, and Analysis Staff

The NRC Reactor Engineer Intern Program is under the overall supervision of the NRR Program Management, Policy Development, and Analysis Staff. The program was established 4 years ago by the Planning, Program and Management Support Branch and is supervised by its Administration Section. Day-to-day coordination is provided by the Reactor Engineer Intern Program Manager.



FRANK P. GILLESPIE is Director of the Program Management, Policy Development, and Analysis Staff.



RICHARD H. WESSMAN is Chief of the Planning, Program and Management Support Branch.



LESLIE W. BARNETT is Chief of the Administration Section.



ROXANNE GOLDSMITH is the Reactor Engineer Intern Program Manager.



ANNA MAY HAYCRAFT is a Senior Management Analyst in the Administration Section.

Acknowledgments

Special acknowledgment goes to John T. Larkins, former Chief of the Planning, Program, and Management Support Branch, and to Valeria H. Wilson, former Chief of the Administration Section, for their dedication and effort in establishing the NRC Reactor Engineer Intern Program.

We would also like to acknowledge the following regional intern contacts for their efforts in support of the NRC Reactor Engineer Intern Program:

Region I: Glenn W. Meyer and
Christine M. O'Rourke

Region II: Alma C. (Buffy) Harper

Region III: Peggy A. Dahlberg

Region IV: Karen E. League

Region V: Pamela Gallagher

Questions regarding the Reactor Engineer Intern Program should be referred in writing to:

Reactor Engineer Intern Program Manager
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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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