

## CONTRACTS EXECUTED IN FY 1981

NRC-01-81-001 Analysis and Inference, Inc. - Evaluation of Utility Self-Insurance as an Option for Assuring Funds for Decommissioning

NRC-01-81-004 University of Florida - Bioassay Procedures for Promethium-147

NRC-01-81-005 Dr. Henry I. Kohn - Commission Briefing on Radiation Health Effects and Radiation Research

NRC-01-81-006 Dr. Harold Rossi - Commission Briefing on Radiation Health Effects and Radiation Research

NRC-01-81-008 Marvin Goldman - Commission Briefing on Radiation Health Effects and Radiation Research

NRC-01-81-009 NUS Corporation - Preparation of NUREG/CR-XXXX, "Technical Basis for Regulatory Guide 1.145 Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants

NRC-01-81-010 Adams & Wojick - Coherence Analysis of 10 CFR Chapter 1

NRC-01-81-012-01 Boeing Computer Services Company - Three Statistical Tasks for Nuclear Material Accountability - Task I

NRC-01-81-012-02 Battelle Pacific Northwest Labs - Three Statistical Tasks for Nuclear Material Accountability - Task II

NRC-01-81-014 American Society of Testing & Materials - Development of Five Draft Standards in the Area of Rock Mechanics

NRC-01-81-017 U.S. Dept. of Commerce/NOAA - Meteorological Considerations in the Development of a Real-Time Atmospheric Dispersion Model for Reactor Effluent Exposure Pathway

NRC-02-81-026 Teknekron Research, Inc. - Benchmarking of Computer Codes and Licensing Assistance

NRC-02-82-026-01 H & R Technical Associates, Inc. - Environmental Assessments and Impact Statements for Low-Level Waste Disposal Facilities

NRC-02-81-027 Golder Associates, Inc. - Performance of Engineered Barriers in a Geologic Repository

NRC-02-80-028-03 Battelle Pacific Northwest Laboratories - Environmental Assessment of Surface and Groundwater Impacts from Uranium Recovery Operations (RS-NMS-80-028)

NRC-02-80-028-05 General Electric-TEMPO - Environmental Assessment of Surface and Groundwater Impacts from Uranium Recovery Operations (RS-NMS-80-028)

NRC-02-81-028 NUSAC, Inc. - Evaluation of Material Accounting Performance at Nuclear Fuel Cycle Facilities (RS-NMS-80-030)

- NRC-02-81-029 Dept. of the Army/USA ARRADCOM - Transparent Armor Testing
- NRC-02-81-030 Battelle Columbus Lab - Analysis of Safeguards Needs for Transport of High Level Waste
- NRC-02-80-033-05 Harding-Lawson Associates - Licensing Assistance/Geotechnical and Hydrological Evaluations (RS-NMS-79-033)
- NRC-02-80-033-06 Shannon & Wilson, Inc. - Licensing Assistance/Geotechnical and Hydrological Evaluations (RS-NMS-79-033)
- NRC-02-80-033-07 Converse-Ward-Davis-Dixon - Licensing Assistance/Geotechnical and Hydrological Evaluations (RS-NMS-79-033)
- NRC-02-81-034 Dept. of the Army/Corps of Engineers - Trench Design and Construction Techniques
- NRC-02-81-035 National Academy of Sciences - Disposal of Medical and Research Waste Containing Low-Level Radioactivity
- NRC-02-81-036 Dept. of the Army/Corps of Engineers - U.S. Army Corps of Engineers Geotechnical Assistance
- NRC-02-81-037 Golder Associates, Inc. - Technical Assistance for Repository Design
- NRC-02-81-039 Williams-Robinette Associates - Site Suitability Assessments Based on Seepage and Groundwater Conditions Associated with Uranium Recovery Operations
- NRC-02-81-040 Science Applications, Inc. - In-Process Control of Special Nuclear Material (SNM)
- NRC-02-81-041 NUSAC, Inc. - Selected Procedures for MC&A Planning
- NRC-02-81-045 Science Applications, Inc. - Environmental Assessment of Raffinate Study Disposal at the Kerr-McGee Sequoyah Facility, Gore, Oklahoma
- NRC-02-81-046 Chem-Nuclear Systems, Inc. - Develop Licensing Procedures, Performance Objectives and Technical Criteria for the Disposal of Low-Level Waste
- NRC-02-81-047 U.S. Ecology, Inc. - Develop Licensing Procedures, Performance Objectives and Technical Criteria for the Disposal of Low-Level Waste
- NRC-02-81-049 Dames and Moore - Technical Assistance for an Environmental Impact Statement on 10CFR61
- NRC-02-81-050 Science Applications, Inc. - Environmental Assessment of Low Level Waste Storage at TVA Browns Ferry Nuclear Plant in Limestone County, Georgia

- NRC-02-81-051 Science Applications, Inc. - Seminar on SAI Systems Model
- NRC-02-81-053 Science Applications, Inc. - Environmental Assessment for Low Level Waste Storage at TVA Sequoyah Nuclear Plant
- NRC-02-81-054 Science Applications, Inc. - Environmental Assessment Relative to the Union Carbide Application for Renewal of License No. SNM-639
- NRC-02-81-056 Dept. of the Army/Corps of Engineers - Technical Assistance on Site Characterization and Monitoring
- NRC-02-81-057 Science Applications, Inc. - Environmental Assessment of Radioactive Waste Stabilization Project at the Amax Site, Wood County, West Virginia
- NRC-02-81-058 Science Applications, Inc. - Environmental Impact Assessment Relative to the General Electric Company Special Nuclear Material License No. SNM-1097 Renewal Action
- NRC-02-81-059 Geotechnical Engineers, Inc. - Final Report/Union Carbide Uravan Mill Tailings Evaluation
- NRC-02-81-060 Science Applications, Inc. - Environmental Impact Assessment Relative to the Combustion Engineering's (CE) Special Nuclear Material License No. SNM-33 Renewal Action
- NRC-02-81-061 Geotechnical Engineers, Inc. - Reclamation Plan for Inactive Tailings Areas and the Heap Leach Site
- NRC-02-81-062 Rogers & Associates Engineering Corp. - GEIS Briefing Support
- NRC-02-81-063 Stanley Consultants, Inc. - GEIS Briefing Support
- NRC-02-81-064 Science Applications, Inc. - Environmental Assessment of Low-Level Waste Storage at Pennsylvania Power and Light Company - Susquehanna Steam Electric Station
- NRC-02-81-065 S.S. Papadopoulos & Associates - Training Course on Use of U.S. Geological Survey Ground-Water Flow Models
- NRC-02-81-066 Ertec Western, Inc. - Method of Characteristics Transport Model Modification and Training Course
- NRC-02-81-067 Rogers & Associates Engineering Corp. - Generic Environmental Impact Statement (GEIS) Briefing Support
- NRC-02-81-068 U.S. Arms Control and Disarmament Agency - Transportation by Sea Verification - Phase II
- NRC-03-81-092 Dr. M. T. Davisson - Review Support on Bailly Nuclear Plant I
- NRC-03-81-094 Tetra Tech, Inc. - Follow-On Review of Bailly Generating Station, Nuclear 1

- NRC-03-81-095 Dr. M. T. Davisson - Review Support on Bailly Pile Foundations
- NRC-03-81-096 The Franklin Research Center - Licensing Actions Status Monitoring System
- NRC-03-81-097 Human Design Group - Provide Technical Assistance to Assess Psychological Stress Related to Decontamination and Disposal of Radioactive Wastes at Three Mile Island Unit 2
- NRC-03-81-099 U.S. Dept. of Commerce/NOAA - NOAA Meteorological On-Call Technical Assistance Program (I)
- NRC-03-81-102 John M. Kuhlman - Economic Assistance for the St. Lucie 2 Antitrust Proceeding (II)
- NRC-03-81-103 Gage-Babcock and Associates, Inc. - Technical Assistance for Fire Protection Program Review and Evaluation (RS-NRR-78-131)
- NRC-03-81-110 U.S. Dept. of the Army/Coastal Engineering Research Center - Hydrological Engineering (Coastal) Case Review, #1
- NRC-03-81-115 Nuclear Energy Services, Inc. - Analysis and Testimony on Cost Estimate Reasonableness - TMI-1 Restart
- NRC-03-81-117 U.S. Department of Commerce/Bureau of Economic Analysis - Methodology and Results of Assessing Regional Economic Consequences of Accidents
- NRC-03-81-119 Georgia Institute of Technology/Georgia Tech Research Institute - Review of Exxon Methodology Used in BWR Reloads with Exxon Fuel
- NRC-03-81-120 Dr. Peter M. Gutmann - Economic Consulting Services in Connection with the Stanislaus Nuclear Unit, Antitrust Hearing Docket No. P-564-A (RS-NRR-78-127)
- NRC-03-81-121 U.S. Army Corps of Engineers - Geotechnical Engineering Reviews of Operator Reactor Plants
- NRC-03-81-122 U.S. Army Corps of Engineers - Geotechnical Engineering Review of Systematic Evaluation Program Plants
- NRC-03-81-123 William J. Hall - Technical Assistance on Seismic Issues for the General Electric Test Reactor (GETR) Proceedings
- NRC-03-81-124 University of Maryland - Analysis and Verification of the Contempt-4 Computer Code (II)
- NRC-03-78-127-12 Allen J. Schultz - Engineering Assistance in Connection with Antitrust Hearings
- NRC-03-81-130 The Franklin Research Center - Technical Assistance in Support of the NRC Reactor Operating License Action Program II

- NRC-03-81-132 U.S. Dept. of the Army/Coastal Engineering Research Center - Hydrological Engineering (Coastal) Reviews of Operating Reactors (I)
- NRC-03-81-133 NOAA/International Tsunami Information Center - Review and Technical Editing of Tsunami Bibliography
- NRC-03-81-135 Uniformed Services University of the Health Sciences - Clinical Response to Chronic Stress at TMI
- NRC-03-81-137 Waste Management Group, Inc. - Technical Evaluation of Proposed Submerged Demineralizer System at TMI-2
- NRC-03-81-138 U.S. Air Force/Rome Air Development Center - WRC Reliability Program Plan
- NRC-03-81-139 Gage-Babcock and Associates, Inc. - Fire Protection Program: Review and Evaluation V
- NRC-03-81-140 Gage-Babcock and Associates, Inc. - Technical Assistance for Fire Protection Program Review and Evaluation
- NRC-03-81-141 Nuclear Associates International/Control Data Corp. - Review of Statistical Uncertainty Methodology (Project 7)
- NRC-04-81-167 Ertec Western, Inc. - Earthquake Recurrence Intervals at Nuclear Power Plant Sites
- NRC-04-81-168 The Pennsylvania State University - Seismic History of the Eastern Seaboard from New York to Norfolk, Virginia
- NRC-04-81-172 Australian Atomic Energy Commission - Radionuclide Migration Around Uranium Ore Bodies - Analogue of Radioactive Waste Repositories
- NRC-04-81-175 Structural Mechanics Associates - Foreign Research and Licensing Practice Coordinator for General Reactor Safety Research (RS-RES-80-188)
- NRC-04-81-177 University of Washington - Seismicity of the Pacific Northwest (Northern Oregon)
- NRC-04-81-178 Battelle Columbus Laboratories - The Degraded Piping Program
- NRC-04-81-179 Columbia University - A Study of Earthquake Hazards in New York State and Adjacent Areas
- NRC-04-81-180 Columbia University - Investigation into the State of Stress in the Crust Under Northeastern United States
- NRC-04-81-183 Lehigh University - Non-Equilibrium Heat Transfer and Two-Phase Instrumentation

- NRC-04-81-185 Southwest Research Institute - Seismic Qualification of Nuclear Plant Mechanical and Electrical Equipment
- NRC-04-81-186 Human Factors Society, Inc. - Develop a Comprehensive Human Factors Plan for Nuclear Reactor Regulation
- NRC-04-81-187 Georgia Tech Research Institute - The Bioaccumulation Factor for P-32 in Edible Fish Tissue
- NRC-04-81-188 University of Kentucky - Seismic Investigation of the Epicentral Region About the July 27, 1980, Sharpsburg, Kentucky Earthquake
- NRC-04-81-195-01 Purdue Research Foundation - Geophysical-Geological Studies of Possible Extensions of the New Madrid Fault Zone
- NRC-04-81-195-02 Vanderbilt University - Major Fractures on the East Side of the New Madrid Earthquake Zone
- NRC-04-81-195-03 Saint Louis University - Seismological Investigation of Earthquakes in the New Madrid Seismic Zone and Seismological Investigation of the Northeastern Extension of the New Madrid Seismic Zone
- NRC-04-81-195-04 University of Michigan - New Madrid/Midwest Continent Geological and Seismological Research Program
- NRC-04-81-196 Herbert Isbin - Consultant to LOFT Special Review Group
- NRC-04-81-197 Aerospace Corporation - Consultant to LOFT Special Review Group
- NRC-04-81-199 George Washington University - Reliability Theory and Applications Course
- NRC-04-81-200 R & D Associates - Tunneling Study for Back-Fitting Operating Plants with Core Retention
- NRC-04-81-201 Nuclear Associates International/Control Data Corp. - Evaluation of Power Reactor Fuel Rod Analysis Capabilities
- NRC-04-81-202 Colorado State University - The Estimation of Atmospheric Dispersion at Nuclear Reactor Plants Utilizing Real Time Anemometer Statistics
- NRC-04-81-203 IIT Research Institute - Definition of Bounding Physical Tests Representative of Transport Accidents - Air and Marine
- NRC-04-81-211 SRI International - Analysis of Atmospheric Diffusion Through Application of Lidar Technology
- NRC-04-81-217 Columbia University - Field Experiment Determinations of Distribution Coefficients of Actinide Elements in Aquatic Environments
- NRC-04-81-218 Stanley A. Szawlewicz - Coordinate 9th Annual Water Reactor Safety Research Meeting

- NRC-04-81-220 University of Arizona - Low-Level Nuclear Waste Processing and Shallow Land Burial Trench Isolation
- NRC-04-81-224 University of Arizona - Unsaturated Flow and Transport Through Fractured Rock Related to High-Level Waste Repositories
- NRC-05-81-241 Health Management Systems - Methodology for Evaluating Objectivity and Improving Communications
- NRC-05-81-242 Texas Nuclear - Purchase of Metal Alloy Analyzer (RS-OIE-81-242)
- NRC-05-81-243 Rockwell International Corporation - Inservice Inspection Courses
- NRC-05-81-244 Portland Cement Association - General and Refresher Courses in Concrete Technology and Codes
- NRC-05-81-247 The Franklin Institute - Independent Assessment: Destructive Testing and Analysis
- NRC-05-81-248 U.S. Geological Survey - Power Plant Location Mapping Services
- NRC-05-81-249 U.S. Dept. of Commerce/National Bureau of Standards - Support for Region I Independent Measurements (NDE)
- NRC-05-81-250 Quality Inn South - Reactor Training Center Lodging Service
- NRC-05-81-251 Chattanooga State Technical Community College - Nuclear Power Plant Operation Courses
- NRC-05-81-254 Southwestern Bell Telephone Company - Installation of an Exclusive Use Private Branch Exchange (PBX) Telephone System
- NRC-05-81-255 Panasonic Company - Purchase of 1800 TLD Badges with Body Hangers and Purchase and Installation of Automatic TLD Reader
- NRC-05-81-256 Princeton Gamma Tech - Intrinsic Germanium Detector System
- NRC-05-81-257 Robert Charles Moles & Associates - Graphic/Photographic Services
- NRC-05-81-258 Phoenix Associates, Inc. - Meteorological and Dose Assessment Acquisition System
- NRC-05-81-260 Nuclear Data, Inc. - Maintenance Service for Multichannel Analyzers
- NRC-05-81-261 General Electric Company - Electrical and Instrumentation Technology and Codes Training
- NRC-05-81-265 Southern Systems Support, Inc. - Purchase of Three High Speed Printers
- NRC-05-81-266 U.S. Environmental Protection Agency - EPA Crosscheck Program

- NRC-05-81-267 Princeton Gamma Tech, Inc. - Portable Intrinsic Germanium Detector System
- NRC-05-81-268 U.S. Geological Survey - Provide NRC Power Plant Location Mapping Services
- NRC-06-81-293 National Governors' Association - Study Entitled, "An Examination of the Agreement State Program"
- NRC-08-81-336 Allan M. Labowitz - Evaluation of NRC Bilateral Regulatory Information Exchange Arrangements
- NRC-10-81-356 Project Associates, Inc. - Evaluation of NRC Executive Development and Management Program (RS-ADM-81-356)
- NRC-10-81-357 Press Intelligence, Inc. - Newspaper Clipping Service (RS-ADM-81-357)
- NRC-10-81-359 SBA/Technassociates, Inc. - Conversion, Programming, Implementation, Documentation and Acceptance Processing of IFMIS
- NRC-10-81-360 Daniel Matthews - Arbitration Hearing - Examine the Facts in an Employee Grievance
- NRC-10-81-361 Joseph Stone - Arbitration Hearing - Examine the Facts in an Employee Grievance
- NRC-10-81-362 U.S. Metric Board - Procurement Services which the NRC will provide to the U.S. Metric Board
- NRC-10-81-363 Graduate School, USDA - Establishing Critical Elements and Performance Standards
- NRC-10-81-364 McGraw-Hill, Inc. - Subscription to "Inside NRC," "Inside DOE," "Nuclear Fuel," "Inside FERC," "Nucleonics Week"
- NRC-10-81-365 Control Module, Inc. - Property Inventory Equipment (RS-ADM-81-365)
- NRC-10-81-367 Southwest Research Institute - Continued Development and Operation of the Nuclear Plant Reliability Data System (NPRDS)
- NRC-10-81-368 Technocrats, Inc. - Tsunami Bibliography (RS-ADM-81-368)
- NRC-10-81-369 Literature Research Company - Electrostatic Copying Services (RS-ADM-81-369)
- NRC-10-81-379 Lunsford-McKee and Associates, Inc. - Furnish Review Reports and Assistance on Draft Critical Elements and Draft Performance Standards for NRC Jobs at GG-15 and Below (RS-ADM-81-379)
- NRC-10-81-381 Oconee County Library - Maintenance and Operation of Local Public Document Rooms



- NRC-10-81-387 BARA Photographic, Inc. - Photographic Reproduction Services (RS-ADM-81-387)
- NRC-10-81-388 Graduate School, USDA - Understanding of the Regulatory Process
- NRC-10-81-389 Graduate School, USDA - Holding Public Meetings Amid Conflict
- NRC-10-81-390 Sidney D. Goldberg - Examine the Facts in an Employee Grievance
- NRC-10-81-391 Benjamin A. Theeman - Examine the Facts in an Employee Grievance
- NRC-10-81-392 The Energy Daily - Subscription to "Energy Daily"
- NRC-10-81-393 Abraham H. Maller - Conduct Hearing Regarding an Employee Grievance Under the Agency Grievance Procedure, as Specified in NRCM 4157
- NRC-10-81-394 Techniques in Wood - Partitions
- NRC-10-81-395 SBA/Systems Architects, Inc. - Maintenance of Licensing and Inspection Planning Profile System (LIPP) Software
- NRC-10-81-396 Information Systems and Network Corporation - Key punch and Verification Service
- NRC-10-81-397 Microtech Industries, Inc. - Preventive Maintenance for Micrographics Equipment
- NRC-10-81-398 Wadlow Associates, Inc. - Follow-on to the Development of an Official NRC Records Disposition Schedule
- NRC-10-81-399 Nicholas H. Zumas - Arbitration Hearing - Examine the Facts in an Employee Grievance
- NRC-10-81-401 Benjamin A. Theeman - Examine the Facts in an Employee Grievance
- NRC-10-81-402 Graduate School, USDA - NRC Procurement Training for Project Officers
- NRC-10-81-403 Greenfield Community College Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-404 State Library of Pennsylvania - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-405 Arkansas Tech University Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-406 Scottsboro Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-407 Morris Public Library - Maintenance and Operation of Local Public Document Rooms

- NRC-10-81-408 SBA/Technassociates, Inc. - ADP Systems Support
- NRC-10-81-409 Beltway Limousine Service, Inc. - Shuttle Bus Service
- NRC-10-81-410 Department of the Air Force (FEDSIM) - Analysis of the NRC Document Control System
- NRC-10-81-411 Lunsford-McKee & Associates, Inc. - Draft Performance Elements and Standards for Positions in the Office of Nuclear Reactor Regulation
- NRC-10-81-421 Dept. of the Air Force/FEDSIM - Analysis of the NRC Document Control System
- NRC-10-81-422 California Polytechnic State University Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-423 Rochester Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-424 Richland Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-425 Plymouth Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-80-669 F.W. Faxon Company, Inc. - Subscription Service (RS-ADM-80-669)
- NRC-10-81-691 Grace A. Dow Memorial Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-692 University of New Orleans - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-693 Indian River Community College - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-694 Crystal River Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-695 Sacramento Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-697 White Plains Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-698 Wheeler Basin Regional Library - Maintenance and Operation of Local Public Document Rooms

- NRC-10-81-699 G.S. Houston Memorial Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-702 Shoreham-Wading River Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-703 Perry Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-704 Madison-Jefferson County Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-705 Clermont County Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-706 Greeley Public Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-707 Penfield Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-708 Russell Library - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-709 Olin Library of Washington University - Maintenance and Operation of Local Public Document Rooms
- NRC-10-81-710 Florida International University/Environmental & Urban Affairs Library - Maintenance and Operation of Local Public Document Rooms
- NRC-11-81-426 Battelle Columbus Laboratories - ACRS Study on Piping and Combination of Dynamic Loads
- NRC-11-81-427 Dr. Pierre Zaleski/UCLA - Safety Design Criteria for a Large (1000 MW) LMFBR
- NRC-11-81-431 Dr. Miloslav J. Kabat - Attend ACRS Subcommittee Meeting on Reactor Radiological Effects and ACRS 251st Full Committee Meeting
- NRC-19-81-491 Teknekron Research, Inc. - Technical Assistance to Working Group on Commission's Waste Management Basis for Confidence Proceeding (Re: Safe Waste Disposal)
- NRC-19-81-492 Dr. Lester Lave - The Political Economy of Alternative Safety Goals
- NRC-19-81-493 Editorial Consultants, Inc. - Editorial Assistance-NRC Safety Goal Project
- NRC-19-81-494 Dr. James L. Kelly - Evaluate NUREG-0772, "Technical Bases for Estimating Fission Product Behavior During LWR Accidents"

NRC-19-81-495 Susan Wiltshire - Assistance in Arranging Public Meetings  
Through the League of Women Voters on Developing an NRC  
Safety Goal

NRC-23-81-516 Metro Study Corporation - Study and Review of Issues  
Concerning Equal-Employment Opportunity at NRC