MODIFICATION NO. M083
SUPPLEMENTAL AGREEMENT TO
CONTRACT NO. DE-AC02-98CH10886

MODIFICATION NO. M083

CONTRACTOR AND ADDRESS:	Brookhaven Science Associates, LLC Brookhaven National Laboratory Upton, NY 11973
MODIFICATION FOR:	Revision to Appendix B, 2002 Performance Measure, Critical Outcome 2.0, Environmental Restoration; Replacement of Appendix I, DOE Directives.

THIS MODIFICATION, effective the 20th day of September 2002, by and between the UNITED STATES OF AMERICA (hereinafter referred to as the "Government"), as represented by the UNITED STATES DEPARTMENT OF ENERGY (hereinafter referred to as "DOE"), and BROOKHAVEN SCIENCE ASSOCIATES, LLC (hereinafter referred to as the "Contractor"),

WITNESSETH THAT:

WHEREAS, the Government and the Contractor entered into Contract No. DE-AC02-98CH10886 on the 5th day of January 1998, for the operation of the Brookhaven National Laboratory; and

WHEREAS, said contract has been modified previously, and the parties desire to modify said contract further, as hereinafter provided; and

WHEREAS, this modification is authorized by law, including 41 U.S.C. 252(c)(15), P.L. 95-91 and other applicable law;

NOW, THEREFORE, said contract, as modified previously, is hereby further modified as follows:

1. **ARTICLE 32** ALLOWABLE COSTS AND FIXED FEE (MANAGEMENT AND OPERATING CONTRACTS) (JUN 1997) (DEVIATION) is modified as follows:

   (b) The first sentence of paragraph (b) Fee(s) is modified by inserting the following phrase "for the period October 1, 1998 through and including September 30, 1999 is $6,608,000; for the period October 1, 1999 through and including September 30, 2000 is $6,633,908; for the period October 1, 2000 through and including September 30, 2001 is $6,583,492;" after the phase "to and including September 30, 1998 is $3,574,000;"

2. **APPENDIX B** – CRITICAL OUTCOMES (CO), OBJECTIVES AND PERFORMANCE MEASURES.

   a. Critical Outcome Performance Measure- 2.0, Environmental Restoration. Critical Outcome 2.1.1 On Time Starts of Major Projects is revised changing the Performance Level Metrics. Critical Outcome 2.2.2- Schedule Performance, Table 1 is revised by changing item 19 due date from March 31, 2002 to February 25, 2003. Critical Outcome Table 2, FY 02 Major Project Starts is revised by deleting item 10, Underground Filter Removal and item 11, Liner Removal, and adding Item 10, Start Loading Stockpiles. These revisions are reflected in the attached revised Critical Outcome Section 2. Delete Section Critical Outcome 2 in its entirety and replace with the attached revised Section Critical Outcome 2, identified as Modification M083.

2. **APPENDIX I** - DOE DIRECTIVES: DOE Directives identified as Modification M077 is deleted in its entirety and replaced with the attached Appendix I, identified as Modification M083.

IN WITNESS WHEREOF, the parties have executed this document.

UNITED STATES OF AMERICA
DEPARTMENT OF ENERGY

BY: _____
Robert P. Gordon
Contracting Officer
(Title)
DATE: 9-23-02

BROOKHAVEN SCIENCE ASSOCIATES, LLC

BY: _____
Brian P. Sack
Chief Financial Officer
(Title)
DATE: 9/19/02

Critical Outcome 2.0 Environmental Restoration

BNL WILL DELIVER "BEST-IN-CLASS" SOLUTIONS IN CONDUCTING THE ENVIRONMENTAL RESTORATION PROGRAM. FOCUSED UPON COMPLETION, THE RESULTS WILL BE PROTECTIVE OF THE ENVIRONMENT, COST EFFECTIVE, AND PERFORMED IN AN OPEN EXCHANGE WITH THE COMMUNITY, OUR REGULATORS, AND OTHER STAKEHOLDERS. BNL WILL CONTINUE TO KEEP THE COMMITMENTS AGREED TO IN THE MEMORANDUM OF UNDERSTANDING SIGNED BY DR. MARBURGER AND MR HOLLAND ON MAY 4, 2001.

The weight of this Outcome is 8% of total.

Objective 2.1 Operational Excellence in Environmental Restoration

The weight of this Objective is 60%.

BSA will incorporate operational excellence into work planning, authorization and implementation. Hazards are identified and mitigations developed during work planning. Work authorization includes levels of coordination and management review appropriate to risks and impacts. Incidents are reported promptly and timely actions are taken to resolve the problem and prevent recurrence. Trends are analyzed and feedback provided to improve performance. Management systems in use are effective tools in minimizing or avoiding events that could compromise safety or impact project costs and schedule.

Measure 2.1.1 On Time Starts of Major Projects

The weight of this Measure is 100%.

BSA will be evaluated on the quality of work planning and schedule management via the achievement of schedule start dates for major projects. The identification and start dates are mutually agreed to with BAO and are contained in Table 2.

Performance Level Metrics

Outstanding	BSA achieves all 11 Major Project Starts (MPS's); 10 no later than 2 weeks of specified start date, 1 no later than 4 weeks of specified start date.
Excellent	BSA achieves all 11 MPS's; 8 no later than 2 weeks of specified start date, 3 no later than 4 weeks of specified start date.
Good	BSA achieves all 11 MPS's no later than 4 weeks of specified start date.
Marginal	BSA achieves all 11 MPS's; 6 no later than 4 weeks of specified start date, 5 more than 4 weeks after specified start date.
Unsatisfactory	BSA does not achieve any of the 11 MPS's within 4 weeks of specified start date.

Conditions

1. The specified dates for the MPS's may be changed via DOE and BNL's formal baseline change control process. Reasons for change may include need for substantial additional characterization, substantive stakeholder concerns that affect project starts, force majeure, etc. The change control level for MPS is level 2b.
2. A Major Project Start represents a tangible field, remediation or removal activity that is significant to the customer and stakeholders. The project start represents the culmination and integration of the appropriate planning, procurement, resources, documents and reviews. It is recognizable and auditable in the field. Once started, the project will continue to make substantive progress through an on-schedule completion.

3. BSA will reevaluate the path forward and baseline for the BGRR and present their recommendations by February 15, 2002 including preliminary dates for the BGRR MPSs denoted TBD and new IAG milestones/schedules. Changes to all BGRR schedules and milestones resulting from this effort will be implemented through change control. The final version of these BCPs will be submitted to DOE by April 15, 2002

Objective 2.2 Execution of Program Activities

The weight of this Objective is 40%.

BSA will expertly, expeditiously, and economically plan, conduct, and complete decontamination and decommissioning of surplus facilities; removal and disposal of wastes; and remediation of soils and groundwater contaminated by past practices. These projects will be safely but aggressively undertaken, closely controlled, and focused on completion. BSA will aggressively manage cost and schedule performance within acceptable performance measures and achieve all major Interagency Agreement milestones on or before their commitment date with the regulatory agencies.

Measure 2.2.1 Cost Performance

The weight of this Measure is 50%.

BSA will be evaluated on its cost effective performance management of the baseline for FY 2002.

Cost Performance Index = (Budgeted Cost of Work Performed)/(Actual Cost of Work Performed)

Performance Level Metrics

Outstanding	CPI $\geq$ 1.020
Excellent	0.980 < CPI 1.020
Good	0.950 < CPI $\leq$ 0.980
Marginal	0.900 < CPI $\leq$ 0.950
Unsatisfactory	CPI $\leq$ 0.900

Conditions:

1.) Because of the uncertainties associated with the project scope, the above metric does not include the BGRR. However, the Project to Date Cost Variance (BCWP-ACWP)/BCWP * 100%) at the end of FY 2002 for the BGRR must be greater than – 20 percent for the BGRR as verified by BAO.
2.) BCWP from BCPs processed for activities performed and costed in prior years (i.e. pre-2002) is excluded from the calculation. This information will be included in the BCPs.

Measure 2.2.2 Schedule Performance

The weight of this Measure is 50%.

BSA will meet and accelerate all primary, secondary and removal action milestones scheduled under the Interagency Agreement (IAG) as agreed upon with the U.S. EPA and NYSDEC and all Level 1, 2A, and 2B Milestones. Additionally, BSA will accelerate out-year milestones to demonstrate superior schedule performance. These are listed in Table 1.

Performance Level Metrics

Outstanding	All FY02 Milestones described above are met on schedule. In addition, 3 or more of the FY03/FY04 Acceleration milestones are completed by September 30, 2002.
Excellent	All FY02 Milestones described above are met on schedule. In addition, 2 of the FY03/FY04 Acceleration Milestones are completed by September 30, 2002.
Good	BSA completes all FY02 milestones described above on schedule.
Marginal	BSA misses one FY02 milestone.
Unsatisfactory	BSA misses two or more FY02 milestones.

Assumptions

1. No IAG milestones dates agreed upon with the Regulators may be missed. However, IAG milestone dates are subject to change through IAG Milestone Extension requests.
2. Level 1 and 2 milestones are subject to change through baseline change control.
3. Accelerated FY03/FY04 milestones may be substituted for missed FY02 milestones in a two for one ratio.
4. BNL must continue to make good progress towards IAG and level 1 and 2 milestones that occur in FY 2003 during FY 2002. FY 2002 performance cannot result in missing FY 2003 milestones.

Environmental Restoration Supporting Assessment Measures (SAMs)

Project and Program Management Systems: BSA will assess its implementation of project management systems in accordance with DOE requirements and industry standards including progress on implementing its Re-Engineering agenda through FY 2002; DOE Order 413 compliance; earned value and project reporting; and baseline change and maintenance. Both DOE and BSA will continue the assessment reviews initiated in FY01. BSA action will be taken to improve performance in this area as part of its Re-Engineering agenda.

Stakeholder Involvement: BSA will assess the condition and success of stakeholder and regulatory relations for the EM program. This assessment will evaluate the quality, timeliness and effectiveness of interactions with regulators and other stakeholders; interface and coordination with Community Education Government and Public Affairs (CEGPA) and DOE; communication, outreach and regulatory planning; development of materials (including supporting documents, fact sheets and other communication items, and regulatory reports such as EE/CA's, etc.); and, execution. BSA management action will be taken as necessary to improve performance in this area.

Waste Management: BSA will assess its progress in implementing an integrated and cost effective waste management for its EM program. The focus in FY 2002 will be to identify and take the necessary actions to minimize non-conforming waste shipments; identify and implement cost effective waste transportation and disposal mechanisms; and the reduction of waste inventories at the BGRR. BSA management action will be taken as necessary to improve performance in this area.

Work Management: BSA will assess the implementation of ISM practices within the planning and execution of environmental restoration and decontamination and decommissioning fieldwork and waste management operations. The focus in FY 2002 will be implementation of work planning processes, minimization of radiological contamination events, and incorporation of lessons learned. BSA management action will be taken as necessary to improve performance in this area.

Table 1 FY03 / FY04 Acceleration Milestones

1. Submit HWMF Soil Draft RA Work Plan to EPA/DEC –March 7, 2003
2. Submit Magothy Summary Report to BNL/DOE-Oct 15, 2002
3. Submit Magothy Characterization Report to EPA/DEC –Dec 16, 2002
4. Submit Airport System RA Work Plan to EPA/DEC –Oct 29, 2002
5. Submit Industrial Park East RA Work Plan to EPA/DEC –Dec 20, 2002
6. Submit North Street RA Work Plan to EPA/DEC – Dec 12, 2002
7. Submit LIPA System RA Work Plan to EPA/DEC – June 12, 2003
8. Submit OU IV Deletion Report to DOE – Oct 24, 2002
9. Submit OU IV Deletion Report to EPA/DEC Feb 6, 2003
10. Submit OU VI Remediation System RA WP to EPA/DEC – Oct 10, 2002
11. Submit UGP Draft Completion Report to Regs for R&C –Nov 20, 2002
12. Submit Draft Chem Holes C/O Rept to EPA/DEC – April 8, 2004
13. Submit Ash Pit RD/RA Work Plan to EPA/DEC – Nov 3, 2003
14. Submit Draft Ash Pit C/O Rept to EPA/DEC - Jun 4, 2004
15. Submit Meadow Marsh Work Plans to EPA/DEC – Dec 01, 2003
16. Submit Meadow Marsh Closeout Rept to EPA/DEC – Jun 21, 2004
17. Submit Sr-90 90% design to EPA/DEC – May 6, 2004
18. Submit Sr-90 RA Work Plan to EPA/DEC – July 19, 2004
19. Submit STP Closeout Rept to EPA/DEC – Feb 25, 2003
20. Complete Disposal of EM Liability Waste – Sept 30, 2004

Table 2 FY02 Major Project Starts

DESCRIPTION - DATE	COMPLETION CRITERIA	BASELINE ACTIVITY ID & DESCRIPTION
1) 701/702 and Remaining Soils Characterization Field Work Start - 17 Jun 02	The Blue Book is complete (Technical Work Document, Radiation Work Permits, Digging Permits, Confined Space Permits, Job Safety Analysis), the SAP has been submitted to DOE, and the Readiness Review has been completed.	BGBPO3 – 701/702 and Remaining Soils Characterization.
2) Bldg 650 S/O Mobilization – 10/22/01	Kick-off meeting held, contractor(s) issued Notice to Proceed for clearing and grubbing, supplemental investigation and overburden removal, contractor onsite mobilizing equipment.	010495A - Bldg. 650 Mobilization
3) Mobilize and Sort Stockpile 7 –7/3/02	Kick-off meeting held, contractor(s) issued Notice to Proceed, contractor on-site mobilizing equipment.	011048 – Mobilize and Sort SP 7
4) Mobilize and Sort Stockpile 4 and 15 – 8/1/02	Kick-off meeting held, contractor(s) issued Notice to Proceed, contractor on-site mobilizing equipment.	010987A30 – Mobilization/Sorting SP 4-15
5) Construct Permanent Sediment Trap – 2/4/02	Staging area is laid out, upstream debris cleared, DEC equivalency permit issued and all physical work prerequisites complete. Rip rap material is staged adjacent to river bed and placement of geotextile material on the river bed has been initiated.	050670DE – Install Silt Trap
6) Initiate Remediation of STP Beds and Berms – 6/18/02	Contractor issued Notice to Proceed, contractor mobilized, remediation area Surveyed and delineated for contamination extent removal, excavation of soil has been initiated.	050454H – Remediate STP Berms
7) Middle Road Remediation System Start-Up – 11/08/01	The system is complete, specifically all major components are operational. The Operational Readiness Evaluation has been completed and any items identified as pre-start items in the ORE are completed.	Related To 03 M0550 – Prepare Startup Report Middle Road
8) Construction of Western South Boundary System – 10/1/01	The remedial Action Work Plan has been submitted, notice to proceed has been issued to the contractor, kickoff meeting held, contractor is mobilized	03WS145 – Construction SWB
9) Construction of Sr-90 Pilot System – 5/15/02	Kick-off meeting held, contractor(s) issued Notice to Proceed, contractor on job site	03S9030 – Construct Sr-90 Pilot System
10) Start Loading Stockpiles 6A and 7 - 9/10/02	Work Planning Documents Completed: contracts awarded and loading initiated into railcars for disposal at Envirocare.	O11012 & O10993
11) Underground Cooler Removal – 11/30/01	Readiness review document completed (includes technical work documents, RWPs work permits, JSAs) and closure of any open items identified during the review. Physical work has been initiated.	BGBG0081 – Remove Coils (Remove & Fix cut & Plug)

Contract No. DE-AC02-98CH10886
Modification No. M083, 9/20/02
Modification No. M077, 5/31/02
Modification No. M073, 1/30/02

APPENDIX I
(Modified by Mod M083 dated September 20, 2002)

DOE DIRECTIVES

Contract No. DE-AC02-98CH10886
Modification M083

There is no List A to this Appendix.

List B to this Appendix contains two parts as follows:

Part I: "Directives List"

This section contains a list of Directives that are considered by DOE as applicable to the BNL contract.

Part II: "Partial Deletions of Directives"

This section contains a list of Directives that were accepted and implemented by the previous contractor but have subsequently been revised by DOE to remove certain sections.

CRD=Contract Requirements Document

DIRECTIVES LIST		
DATE	**DOE DIRECTIVE NUMBER**	**SUBJECT TITLE**
7/14/99	N 142.1	UNCLASSIFIED FOREIGN VISITS AND ASSIGNMENTS (Extended until 8/15/02 by DOE N 251.43 dated 2/15/02)
2/26/01	N 153.1	CONNECTIVITY TO ATMOSPHERIC RELEASE ADVISORY CAPABILITY
10/02/00	N 203.1	CRD - SOFTWARE QUALITY ASSURANCE (Extended until 12/31/01 by DOE N 251.40 dated 5/3/01)
7/26/99	N 205.1	CRD - UNCLASSIFIED CYBER SECURITY PROGRAM (Extended until 12/31/02 by DOE N 251.44 dated 5/6/02)
11/1/99	N 205.2	CRD - FOREIGN NATIONAL ACCESS TO DOE CYBER SYSTEMS (Extended until 12/31/02 by DOE N 251.44 dated 5/6/02)
11/23/99	N 205.3	CRD - PASSWORD GENERATION, PROTECTION, AND USE (Extended until 12/31/02 by DOE N 251.44 dated 5/6/02)
3/18/02	N 205.4	CRD - HANDLING CYBER SECURITY ALERTS AND ADVISORIES AND REPORTING CYBER SECURITY INCIDENTS
1/12/01	N 350.6	CRD - ACCEPTANCE OF VALID WORKERS' COMPENSATION CLAIMS
7/15/97	N 440.1	CRD - INTERIM CHRONIC BERYLLIUM DISEASE PREVENTION PROGRAM
9/30/95	N 441.1	RADIOLOGICAL PROTECTION FOR DOE ACTIVITIES (using ORNL/TM-11497 in lieu of Attachment 1)(Extended until 6/30/00 by DOE N 441.4 dated 11/20/98)
2/5/01	N 450.4	CRD - ASSIGNMENT OF RESPONSIBILITIES FOR EXECUTIVE ORDER 13148, GREENING THE GOVERNMENT THROUGH LEADERSHIP IN ENVIRONMENTAL MANAGEMENT (Extended until 9/1/02 by DOE N 450.5, dated 8/24/01)
10/17/01	N 450.7	CRD - THE SAFE HANDLING, TRANSFER, AND RECEIPT OF BIOLOGICAL ETIOLOGIC AGENTS AT DOE FACILITIES (Extended until 12/30/02 by DOE N 450.8 dated 6/11/02)
12/15/00	N 470.2	CRD - REPORTING UNOFFICIAL FOREIGN TRAVEL (Extended until 12/31/01 by DOE N 251.40 dated 5/3/01)
4/13/01	N 471.3	CRD - REPORTING INCIDENTS OF SECURITY CONCERN (Extended until 12/31/02 by DOE N 251.44 dated 5/6/02)
5/26/00	N 473.4	CRD - DEPARTMENT OF ENERGY BADGES (Extended until 12/31/01 by DOE N 251.40 dated 5/3/01)
6/5/00	N 473.5	CRD - SECURITY AREA VOUCHING AND PIGGYBACKING (Extended until 12/31/01 by DOE N 251.40 dated 5/3/01)
9/18/00	N 473.6	CRD - SECURITY CONDITIONS (Extended until 12/31/02 by DOE N 251.44 dated 5/6/02)
10/26/00	N 473.7	CRD - EXPLOSIVE DETECTION PROGRAM (Extended until 12/31/01 by DOE N 251.40 dated 5/3/01)
11/3/99	O 110.3	CRD - CONFERENCE MANAGEMENT
9/29/95	O 130.1	CRD - BUDGET FORMULATION PROCESS (Extended until 5/1/03 by DOE N 251.45 dated 5/29/02)
9/30/95	O 135.1	BUDGET EXECUTION-FUNDS DISTRIBUTION AND CONTROL (Extended until 5/1/03 by DOE N 251.45 dated 5/29/02)
11/01/00	O 151.1A	CRD - COMPREHENSIVE EMERGENCY MANAGEMENT SYSTEM
9/30/96	O 200.1	CRD - INFORMATION MANAGEMENT PROGRAM

DIRECTIVES LIST		
DATE	**DOE DIRECTIVE NUMBER**	**SUBJECT TITLE**
9/27/95 10/26/95 5/1/95	O 210.1 Change 1 Change 2	CRD - PERFORMANCE INDICATORS AND ANALYSIS OF OPERATIONS INFORMATION
3/22/01	O 221.1	CRD - REPORTING FRAUD, WASTE, AND ABUSE TO THE OFFICE OF INSPECTOR GENERAL
3/22/01	O 221.2	CRD - COOPERATION WITH THE OFFICE OF INSPECTOR GENERAL
12/8/97	O 224.1	CRD - CONTRACTOR PERFORMANCE-BASED BUSINESS MANAGEMENT PROCESS
11/26/97	O 225.1A	CRD - TYPE A AND B ACCIDENT INVESTIGATIONS
9/30/95 10/26/95 11/7/96	O 231.1 Change 1 Change 2	CRD - ENVIRONMENT, SAFETY & HEALTH REPORTING CANCELLATION - ES&H Reporting, dated 11/7/96, Paragraph 5b(2).
9/30/95 11/7/96 01/28/00	M 231.1-1 Change 1 Change 2	ENVIRONMENT, SAFETY, AND HEALTH REPORTING MANUAL CANCELLATION - ES&H Reporting Manual, dated 11/7/96, Chapter IV. (Paragraphs 2a, 2a(1), 2a(2), 2b(1) 2b(2), 2i(3)(a) through 2i(3)(d) of Chapter II and Appendix A Cancelled by DOE N 231.1 dated 1/15/02)
8/1/97	O 232.1A	CRD - OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION (As modified by letter Grahn/Gordon, dated 4/10/98, effective 5/5/98)
7/21/97	M 232.1-1A	OCCURRENCE REPORTING AND PROCESSING OF OPERATIONS INFORMATION (As modified by letter Grahn/Gordon, dated 4/10/98, effective 5/5/98)
4/9/01	O 241.1A	CRD - SCIENTIFIC AND TECHNICAL INFORMATION MANAGEMENT
1/30/98	O 251.1A	CRD - DIRECTIVES SYSTEM
11/19/99	O 252.1	CRD - TECHNICAL STANDARDS PROGRAM
12/30/96	O 311.1A	CRD - EQUAL EMPLOYMENT OPPORTUNITY AND DIVERSITY PROGRAM (Extended until 12/30/02 by DOE N 311.2 DATED 5/29/02)
9/30/96 5/8/98	O 350.1 Change 1	CRD - CONTRACTOR HUMAN RESOURCE MANAGEMENT PROGRAMS CRD - EMPLOYEE BENEFITS
7/12/01	O 350.2	CRD - USE OF FACILITY CONTRACTOR EMPLOYEES FOR SERVICES TO DOE IN THE WASHINGTON, D.C., AREA
4/18/02	O 413.1A	CRD - MANAGEMENT CONTROL PROGRAM
1/08/01	O 413.2A	CRD - LABORATORY DIRECTED RESEARCH AND DEVELOPMENT
10/13/00	O 413.3	CRD - PROGRAM AND PROJECT MANAGEMENT FOR THE ACQUISITION OF CAPITAL ASSETS
11/24/98	O 414.1	CRD - QUALITY ASSURANCE
5/20/02	O 420.1A	CRD - FACILITY SAFETY
1/08/01	O 420.2A	CRD - SAFETY OF ACCELERATOR FACILITIES
12/21/00	O 425.1B	CRD - STARTUP AND RESTART OF NUCLEAR FACILITIES
10/14/98	O 430.1A	CRD - LIFE CYCLE ASSET MANAGEMENT (DOE O 430.2A, dated 4/15/02, cancels Paragraphs 6d(2), 6h, 7b(1), 7b(2), and 7e(16).)
4/15/02	O 430.2A	CRD - DEPARTMENTAL ENERGY AND UTILITIES MANAGEMENT
6/01/01	O 433.1	CRD - MAINTENANCE MANAGEMENT PROGRAM FOR DOE NUCLEAR FACILITIES

DIRECTIVES LIST		
DATE	**DOE DIRECTIVE NUMBER**	**SUBJECT TITLE**
7/9/99 8/28/01	O 435.1 Change 1	CRD - RADIOACTIVE WASTE MANAGEMENT
7/9/99 6/19/01	M 435.1-1 Change 1	RADIOACTIVE WASTE MANAGEMENT MANUAL
3/27/98	O 440.1A	CRD - WORKER PROTECTION MANAGEMENT FOR DOE CONTRACTOR EMPLOYEES
3/8/02	O 440.2A	CRD - AVIATION MANAGEMENT AND SAFETY
6/6/01	O 442.1A	CRD - DEPARTMENT OF ENERGY EMPLOYEE CONCERNS PRG.
5/15/00	O 443.1	PROTECTION OF HUMAN SUBJECTS
10/26/00 9/28/01	O 451.1B Change 1	NATIONAL ENVIRONMENTAL POLICY ACT COMPLIANCE PROGRAM
10/2/96	O 460.1A	CRD - PACKAGING AND TRANSPORTATION SAFETY
9/27/95 10/26/95	O 460.2 Change 1	CRD - DEPARTMENTAL MATERIALS TRANSPORTATION AND PACKAGING MANAGEMENT
9/28/95 6/21/95	O 470.1 Change 1	CRD - CONTRACTOR SAFEGUARDS AND SECURITY PROGRAM REQUIREMENTS (Extended until 8/15/02 by DOE N 251.43 dated 2/15/02)
03/01/00	O 470.2A	CRD - SECURITY AND EMERGENCY MANAGEMENT INDEPENDENT OVERSIGHT AND PERFORMANCE ASSURANCE PROGRAM
6/30/00	O 471.1A	CRD - IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION
6/30/00 10/23/01	M 471.1-1 Change 1	IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION MANUAL
3/27/97	O 471.2A	CRD - INFORMATION SECURITY PROGRAM (Extended until 8/15/02 by DOE N 251.43, dated 2/15/02)
1/6/99	M 471.2-1B	CRD - CLASSIFIED MATTER PROTECTION AND CONTROL MANUAL
8/3/99	M 471.2-2	CRD - CLASSIFIED INFORMATION SYSTEMS SECURITY MANUAL (DOE N 205.3, dated 11/23/99 cancel Paragraphs 4j(2) and 4j(6) of Chapter VI, and Paragraph 12a(2)(a) of Chapter VII.) (Notice 205.4 dated 3/18/02 cancels Chapter III Section 8)
3/24/97	O 472.1B	CRD - PERSONNEL SECURITY ACTIVITIES (Extended until 8/15/02 by DOE N 251.43 dated 2/15/02)
7/12/01	M 472.1-1B	PERSONNEL SECURITY PROGRAM MANUAL
6/30/00	O 473.2	CRD - PROTECTIVE FORCE PROGRAM
1/17/02	M 473.2-1A	FIREARMS QUALIFICATION COURSES MANUAL
6/30/00 12/20/01	M 473.2-2 Change 1	PROTECTIVE FORCE PROGRAM MANUAL
11/20/00	O 474.1A	CRD - CONTROL AND ACCOUNTABILITY OF NUCLEAR MATERIALS
11/22/00	M 474.1-1A	CRD - MANUAL FOR CONTROL AND ACCOUNTABILITY OF NUCLEAR MATERIALS
5/8/98	M 475.1-1	CRD - IDENTIFYING CLASSIFIED INFORMATION
9/28/01	O 481.1B	CRD - WORK FOR OTHERS (NON DOE FUNDED WORK)
1/03/01 9/28/01	M 481.1-1A Change 1	REIMBURSABLE WORK FOR NON-FEDERAL SPONSORED PROCESS MANUAL
1/12/01	O 482.1	CRD - DOE FACILITIES TECHNOLOGY PARTNERING PROGRAMS

DIRECTIVES LIST		
DATE	**DOE DIRECTIVE NUMBER**	**SUBJECT TITLE**
1/12/01	O 483.1	CRD - DOE COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS
1/12/01	M 483.1-1	DOE COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS
7/05/01	O 534.1A	CRD - ACCOUNTING
8/25/00	O 551.1A	CRD - OFFICIAL FOREIGN TRAVEL
7/12/00	M 573.1-1	MAIL SERVICES USER'S MANUAL
5/2/01	P 141.1	DEPARTMENT OF ENERGY MANAGEMENT OF CULTURAL RESOURCES
6/10/00	P 413.1	PROGRAM AND PROJECT MANAGEMENT POLICY FOR THE PLANNING, PROGRAMMING, BUDGETING, AND ACQUISITION OF CAPITAL ASSETS
5/08/01	P 470.1	INTEGRATED SAFEGUARDS AND SECURITY MANAGEMENT POLICY
5/20/02	P 580.1	MANAGEMENT POLICY FOR PLANNING, PROGRAMMING, BUDGETING, OPERATION, MAINTENANCE AND DISPOSAL OF REAL PROPERTY
6/23/92	1270.2B	SAFEGUARDS AGREEMENT WITH THE INTERNATIONAL ATOMIMC ENERGY AGENCY
1/17/93	2100.8A	COST ACCOUNTING, COST RECOVERY INTERAGENCY SHARING OF INFORMATION FACILITIES
7/14/88 10/5/88 5/18/92	2110.1A Change 1 Change 2	PRICING OF DEPARTMENTAL MATERIALS AND SERVICES
6/8/92	2300.1B	AUDIT RESOLUTION AND FOLLOWUP
2/10/94	4330.4B	MAINTENANCE MANAGEMENT PROGRAM (Nuclear Facilities Portion Only) (O 433.1 Cancels 4330.4b, Chapter II)
11/9/88 6/29/90	5400.1* Change 1	GENERAL ENVIRONMENTAL PROTECTION PROGRAM
2/8/90 6/5/90 1/7/93	5400.5* Change 1 Change 2	RADIATION PROTECTION OF THE PUBLIC AND THE ENVIRONMENT
5/15/84 5/16/88 5/16/89 9/20/91	5480.4* Change 1 Change 2 Change 3	ENVIRONMENTAL PROTECTION, SAFETY, AND HEALTH PROTECTION STANDARDS
7/9/90 5/18/92 10/23/01	5480.19 Change 1 Change 2	CONDUCT OF OPERATIONS REQUIREMENTS FOR DOE FACILITIES
11/15/94	5480.20A	PERSONNEL SELECTION, QUALIFICATION AND TRAINING REQUIREMENTS FOR DOE NUCLEAR FACILITIES
1/19/93	5480.30	NUCLEAR REACTOR SAFETY DESIGN CRITERIA
9/20/91	5530.1A	ACCIDENT RESPONSE GROUP
1/14/92 4/10/92	5530.3 Change 1	RADIOLOGICAL ASSISTANCE PROGRAM
5/8/85	5560.1A	PRIORITIES AND ALLOCATIONS PROGRAM
8/1/80	5610.2	CONTROL OF WEAPON DATA

DIRECTIVES LIST		
DATE	**DOE DIRECTIVE NUMBER**	**SUBJECT TITLE**
7/15/94	5632.1C*	PROTECTION AND CONTROL OF SAFEGUARDS AND SECURITY INTERESTS
5/26/94	5660.1B	MANAGEMENT OF NUCLEAR MATERIALS
9/4/92	5670.3	COUNTERINTELLIGENCE PROGRAM
5/18/92	5700.7C	WORK AUTHORIZATION SYSTEM

ACCOUNTING PRACTICES AND PROCEDURES HANDBOOK		
5/2/83	Chapter V	INVENTORIES
6/30/80	Chapter X	PRODUCT COST ACCOUNTING

Appendix I - Part II

PARTIAL DELETIONS OF DIRECTIVES				
DATE	**DOE DIRECTIVE NUMBER**	**SUBJECT TITLE**	**DELETION DIRECTIVE DATE**	**SECTIONS DELETED**
11/9/88 6/29/90	5400.1 Change 1	GENERAL ENVIRONMENTAL PROTECTION PROGRAM	O 231.1 9/30/95 Change 1 10/26/95 Change 2 11/7/96	Paras. 2d, 2b, 4b & 4c of Chap II; Paras 2d & 3b of Chap III; Para 10(c) of Chap IV
2/8/90 6/5/90 1/7/93	5400.5 Change 1 Change 2	RADIATION PROTECTION OF THE PUBLIC AND THE ENVIRONMENT	O 231.1 9/30/95 Change 1 10/26/95	Chapter II: Para 1a(3) (a)
5/15/84 5/16/88 5/16/89 9/20/91	5480.4 Change 1 Change 2 Change 3	ENVIRONMENTAL PROTECTION, SAFETY, AND HEALTH PROTECTION STANDARDS	O 440.1 9/30/95 Change 1 10/26/95	Attachment 2: Paras 2c, 2d(2) - (3), 2e(1) - (8); and Attach. 3: Paras 2c,; 2d(2) - (3), 2e(1) - (7)
7/15/94	M5632.1C-1	MANUAL FOR PROTECTION AND CONTROL OF SAFEGUARDS AND SECURITY INTERESTS	O 470.1 9/28/95 O 471.2A 3/27/97	Chapter XI Chapter III, Paras 1, 2, 4-9