



Department of Energy

Argonne Group
9800 South Cass Avenue
Argonne, Illinois 60439

Contract
Modification
OFFICE OF THE DIRECTOR
ARGONNE NATIONAL LABORATORY

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OCT 09 1999

Modification No. A347
Contract No. W-31-109-ENG-38

Mr. Arthur Sussman
Vice President for
Argonne National Laboratory
The University of Chicago
5801 South Ellis Avenue
Chicago, Illinois 60637

Dear Mr. Sussman:

SUBJECT: CONTRACT W-31-109-ENG-38, FOR OPERATION OF ARGONNE
NATIONAL LABORATORY

As provided in Article 31, Obligation of Funds, of Contract W-31-109-ENG-38, the amount obligated under the contract is hereby increased by \$72,886,825.00 to a total of \$10,669,737,839.51.

This modification increases operating funds for the Department of Energy work in the amount of \$71,741,825.00 as detailed in Exhibit I.

Construction funds are increased by \$1,145,000.00 as detailed in Exhibit II.

Funds for Reimbursable Work for Other Federal Agencies remain unchanged and therefore there is no exhibit for them.

Funds for Reimbursable Work for Non-Federal Entities remain unchanged and therefore there is no exhibit for them.

Funds for Use of Third-Party Receipts from Technology Transfer Activities remain unchanged and therefore there is no exhibit for them.

Mr. Arthur Sussman

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This change does not affect the expenditures limitations applicable only to the current year of which the Laboratory is advised separately from contract actions.

Sincerely yours,


HORY S. SIMPSON
CONTRACTING OFFICER, ARG
U.S. DEPARTMENT OF ENERGY

Enclosures:

1. Calculation of Funds
2. Operating Funds, Exhibit I
3. Construction Funds, Exhibit II

cc: Yoon I. Chang, Interim Laboratory Director, ANL - w/encls.
J. W. O'Kelley, Chief Financial Officer, ANL - w/encls.
(6 cys)
Rudolph Bouie, Acting Chief Operations Officer, ANL -
w/encls.
James R. LaFevers, Executive Director and Deputy to the Vice
President for ANL - w/encls.
Hugo F. Sonnenschein, President, University of Chicago -
w/encls.
William J. Hogan, Jr., Comptroller, University of Chicago -
w/encls.
Y. Chang, Idaho ANL-W, ATTN: Sharron Janning - w/encls.
M. Bartos, Assistant Chief Financial Officer/Budget
Management, ANL - w/encls. (8 cys)

CALCULATION OF FUNDS
MODIFICATION NO. A347 TO CONTRACT W-31-109-ENG-38
FOR OPERATION OF ARGONNE NATIONAL LABORATORY
(IN DOLLARS)

FY 2000 OPERATING FUNDS:

Approved Funding Program - Operating Expense Authorized Funding:	
Operating Excluding EQU/GPE/GPP/AIP	67,149,075.00
GPE - General Plant Equipment	407,750.00
EQU - Capital Equipment	2,148,000.00
GPP - General Plant Projects	1,200,000.00
AIP - Accelerator Improvement Projects < \$5M	837,000.00
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TOTAL	71,741,825.00
Reimbursable Work for Other Federal Agencies	0.00
Reimbursable Work for Non-Federal Entities	0.00
Use of Third Party Receipts from Technology Transfer Activities	0.00
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Total Fiscal Year 2000 Operating Funding	71,741,825.00
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FY 2000 PLANT FUNDS:

Approved Funding Program - Authorized Funding	1,145,000.00
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Total Fiscal Year 2000 Plant Funding	1,145,000.00
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TOTAL FY 2000 FUNDING 72,886,825.00

Operating, Plant and Capital Equipment Funds Requirements Through Mod A346
(Mod A346 is the final FY 1999 mod) 704,752,934.19

Total Funds Requirements on and after October 1, 1998 777,639,759.19

Contract Costs through September 30, 1998 (Through Mod A346) 9,892,098,080.32

Total Funds to be Provided 10,669,737,839.51

Funds Provided Through Modification A346 10,596,851,014.51

Funds Added by Modification A347 72,886,825.00

89X0222.91 (WA)		* SCIENCE	
AT6020	EQU	Materials Research	9,750.00
AT601030		Plasma Technologies	186,750.00
AT601040		Fusion Technologies	95,000.00
AT601050		Advanced Design (Sys. Studies)	65,500.00
AT6020		Materials Research	202,250.00
KA040101		Research & Tech - Research	1,308,750.00
KA0403011		General Accelerator R&D	258,750.00
KA0403012		Muon Collider R&D	22,500.00
KA040302		Experimental Facilities R&D	221,250.00
KA050103	EQU	Other Facility Support	221,250.00
KA050203	EQU01CA	ATLAS Detector	250,475.00
KB0101022		MediumEnergyPhysics/Resrch	724,000.00
KB0101022	EQU	MediumEnergyPhysics/Resrch	25,000.00
KB0201022		Heavy Ion Physics; Research	1,167,500.00
KB020202		Operations	1,303,500.00
KB020202	AIP	Operations	100,000.00
KB020202	EQU	Operations	262,500.00
KB030102		Nuclear Theory Lab Research	218,500.00
KB040104		LowEnergyPhysics, Nuc. Data	48,250.00
KC020101		Structure of Materials	443,000.00
KC020101	EQU	Structure of Materials	403,250.00
KC020101	AIP	Structure of Materials	737,000.00
KC020102		Mechanical Properties	377,000.00
KC020103		Physical Properties	388,000.00
KC020105		Engineering Materials	205,000.00
KC020201		Neutron Scattering	590,250.00
KC020202		Experimental Research	1,016,250.00
KC020203		Theoretical Research	405,250.00
KC020301		Synthesis & Chem. Structure	726,250.00
KC0204013		IntensePulsedNeutronSource	2,707,500.00
KC0204013	EQU	IntensePulsedNeutronSource	159,250.00
KC0204017		6-7 GEV Synch.Light Source	19,625,250.00
KC0204017	EQU	6-7 GEV Synch.Light Source	620,000.00
KC030101		Photochem.&Radiation Sci.	692,500.00

KC030101	EQU	Photochemical & Radiation Scien	438,000.00
KC030101	GPP	Photochemical & Radiation Scien	1,200,000.00
KC030102		Chemical Physics	917,750.00
KC030102	EQU	Chemical Physics	0.00
KC030103		Atomic Physics	278,500.00
KC030103	EQU	Atomic Physics	0.00
KC0301042		Special Isotope Preparation	0.00
KC030201		Chemical Energy	639,500.00
KC030201	EQU	Chemical Energy	0.00
KC030202		Separations & Analyses	273,000.00
KC030202	EQU	Separations & Analyses	0.00
KC030203		Heavy Element Chemistry	384,500.00
KC030203	EQU	Heavy Element Chemistry	0.00
KC030204		Chem. Engineering Sciences	200,750.00
KC030204	EQU	Chem. Engineering Sciences	0.00
KC030205		General Purpose Equipment	0.00
KC030205	GPE	General Purpose Equipment	407,750.00
KC040103		Systems Sciences	5,000.00
KC040301		Geology, Geophy. & Earth Dynam	0.00
KC040302		Eng. Rsrch-Geochemistry	100,000.00
KC040302	EQU	Eng. Rsrch-Geochemistry	90,000.00
KC06		Earth Biosciences	0.00
KE010000		Advncd Neutron Source-R&D	0.00
KG0402		MEL-FS, ES&H Support	0.00
KJ010101		Basic Rsrch & Human Resources	941,250.00
KJ010102		High Perf. Computing Systems R	153,250.00
KJ010103		Adv. Software Tech & Algorithms	693,750.00
KJ0102		Adv. Computation Rsrch	881,250.00
KJ02		Laboratory Technology Rsrch	245,250.00
KP110101		Structural Biology	896,250.00
KP110101	EQU	Structural Biology	75,000.00
KP110201		Molecular Biology	150,000.00
KP110301		Genome	37,500.00
KP120102		CHAMMP	56,250.00
KP120103		Atmospheric Radiation Meas.	50,000.00
KP120201		Atmospheric Science	579,250.00

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KP120202	Terrestrial Carbon Processes	178,750.00
KP120301	Ecosystem Func & Response	47,000.00
KP120403	Education	200,750.00
KP130101	Bioremediation Research	220,250.00
TOTAL	89X0222.91 (WA)	46,127,725.00

8900224.91 (Y0)	* ENERGY SUPPLY	
AF95	Termination Costs	18,112,500.00
TOTAL	8900224.91 (Y0)	18,112,500.00

89X0242.91 (TE)	* DEF. ENVIRONMENTAL REST. & WASTE MGMT	
EW4010	CH20-SS10 Tech Developmnt&Deploymnt	37,000.00
EW4010	CH29-MW23 Tech Developmnt&Deploymnt	47,000.00
EW4010	CH29-SS12 Tech Developmnt&Deploymnt	59,000.00
EW409010	CH27-SP23 EM Science Prog-Basic Sci.	138,000.00
EW409010	CH28-SP24 EM Science Prog-Basic Sci.	175,000.00
TOTAL	89X0242.91 (TE)	456,000.00

89X0243.91 (TF)	* OTHER DEFENSE ACTIV.	
GA010102	Immobilization & Associated Proc	434,750.00
GA0303014	BN-600 Reactors	100,000.00
GC0401	Onsite Systems	237,500.00
GC0404	Advanced Systems	431,250.00
GD050803	Add'l. Support -Mgmt Analysis, Te	50,000.00
GD0509	Critical Infrastructure Protection	175,000.00
GD060402	In Mat'l. Control&Accounting	55,000.00
GD060402 EQU	In Mat'l. Control&Accounting	35,000.00
GJ01	Export Control OperationsDiv.	100,000.00
GJ04	Intn'l Safeguards Division	32,350.00
GJ08	International MPC&A	(187,500.00)
GJ0902	NIS Initiatives for Prolif. Prevntn	25,000.00
GJ0903	Kazakhstan Spent Fuel Activities	125,000.00
GJ11	Reduced Enrichment Rsrch & Tes	300,000.00
GJ11 EQU	Reduced Enrichment Rsrch & Tes	75,000.00
GJ12	Arms Cntrl&Non-Prolif-AnalytSup	6,250.00

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TOTAL		89X0243.91 (TF)	1,994,600.00
89X0250.91 (YN)		* NON-DEF. ENV. MGMT	
EX04C201	CH-ANLEDD	SiteComp.; ANL-E D&D	3,664,000.00
EX04C202	CH-ANLEPM	SiteComp.; ANL-E Prog. Mgmt.	187,000.00
EX04C203	CH-ANLERA	SiteComp.; ANL-E RemedialActio	400,000.00
EX04C204	CH-ANLEWO	SiteComp.; ANL-E&W Wste Ops	700,000.00
EX04C3010	CH-ANLWRA	SiteComp.; ANL-W Remed.Act.	100,000.00
TOTAL		89X0250.91 (YN)	5,051,000.00
* TOTAL OPERATING			71,741,825.00

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ARGONNE NATIONAL LABORATORY
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EXHIBIT II
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89X0222.91 (WA)		* GENERAL SCIENCE & RESEARCH ACTIVITIES	
39KG01	MEL001-006	Central Supply Facility	845,000.00
39KG02	MEL001-003	Electrical System Upgrade III	300,000.00
TOTAL		89X0222.91 (WA)	<u>1,145,000.00</u>