

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 CONTRACT ID CODE
PAGE 1 OF 4

2 AMENDMENT/MODIFICATION NO
145
3 EFFECTIVE DATE
11/08/2000
4 REQUISITION/PURCHASE REQ NO
NMS-97-009 11/3.7
5 PROJECT NO (if applicable)

6 ISSUED BY
U.S. Nuclear Regulatory Commission
Division of Contracts and Property Mgt.
Attn: T-7-1-2
Contract Management Branch 2
Washington DC 20555

8 NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
Southwest Research Institute
6220 Culebra Road
Post Office Drawer 28510
San Antonio, TX 78228-0510
Wesley C. Patrick, President, CNWRA

(X) 9A. AMENDMENT OF SOLICITATION NO
9B. DATED (SEE ITEM 11)
10A. MODIFICATION OF CONTRACT/ORDER NO
Con# NRC-02-97-009
SBA#
10B. DATED (SEE ITEM 13)
X 10-15-1987

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment of each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12 ACCOUNTING AND APPROPRIATION DATA (if required)
B&R 15015301129 JC D1035 BOC 252A
Approp. 31X0200 Obligate: \$13,415,000

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A
B THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) IN ITEM 14 PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
C THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF
D OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Please see attached pages.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect

15A NAME AND TITLE OF SIGNER (Type or print)
15B CONTRACTOR/OFFEROR
15C DATE SIGNED
16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Barbara D. Meehan
16B UNITED STATES OF AMERICA
BY Barbara D. Meehan
(Signature of Contracting Officer)
16C DATE SIGNED
11-08-2000
(Signature of person authorized to sign)

ADM-001

ADM02

The purpose of this modification is to obligate \$13,415,000 to Job Code D1035, provide the final indirect rates for FY99 in Section G.1, revise the list of project officers in Section G.3.1, revise the list of key personnel in Section H.1, revise the list of Government furnished property in Section H.27, and revise the list of Contractor acquired property in attachment 22. Accordingly, the following revisions are made:

Sections B.2.C.b and d are revised to show the obligation of \$13,415,000 under Job Code D1035, as indicated on the attached change pages 5 and 6.

Section G.1.E is revised to show the final indirect rates for FY99 as shown on attached change page 25.

Section G.3.1 is revised to show a new Project Officer for Private Fuel Storage as shown on attached change page 29.

Section H.1, Key Personnel, is revised to show the deletion of [REDACTED] shown on attached change page 33.

Section H.27 is revised to update the list of Government furnished property as shown on attached change pages 45 and 46

Attachment 22 is revised as shown on the attached. Also, Section J, which shows the list of attachments is revised as shown on attached change page 64.

All other terms and conditions of this contract, including the ceiling amount for the second renewal period of \$87,611,477.00, remain the same.

A summary of new obligations for the second renewal period of this contract is given below:

Job Code D1035 (HLW)

Total FY97 obligation amount \$445,000 (see Spent Fuel (CIS) below)

Total FY98 obligation amount \$10,792,270 (Note that this reflects the \$19,000 which was obligated on Mod. 123, but not reflected in this summary)

Total FY99 obligation amount \$11,862,000.

Total FY99 deobligation amount \$183,756.57.

Total FY00 obligation amount \$12,971,071.

Total FY00 deobligation amount of \$100,000.

Total FY01 obligation amount of \$13,415,000.

Cumulative Total of NRC Obligations for JC 1035 (HLW) \$49,201,584.43.

Description of Changes Incorporated by Modification No. 145 to NRC-02-97-009

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Job Code D1035 (Spent Fuel (CIS))
Total FY97 obligation amount \$200,000
Total FY98 obligation amount \$250,000

Job Code J5297 (Spent Fuel (CIS))
Total FY00 obligation amount \$100,000

Cumulative Total of NRC Obligations for CIS \$550,000.

Job Code J5164 (Tank Waste Remediation)

Total FY98 obligation amount \$250,000
Total FY99 obligation amount \$285,000
Total FY00 obligation amount \$840,000

Cumulative Total of NRC Obligations for JC J5164 \$1,375,000.

Job Code J5206 (Spent Fuel Dry Transfer)

Total FY97 obligation amount \$25,000.
Total FY98 obligation amount \$200,000.
Total FY98 deobligation amount \$33,000
Total FY99 obligation amount \$283,600
Total FY00 obligation amount \$135,000

Cumulative Total of NRC Obligations for JC J5206 \$610,600.

Job Code J5210 (Aluminum-Based Spent Fuels)

Total FY98 obligation amount \$125,000.

Cumulative Total of NRC Obligations for JC J5210 \$125,000

Job Code J5186 (TMI-2 Fuel Debris)

Total FY98 obligation amount \$208,000.
Total FY98 deobligation amount \$8,000.
Total FY99 obligation amount \$100,000
Total FY99 deobligation amount \$15,898.

Cumulative Total of NRC Obligations for JC J5186 \$284,102.

Description of Changes Incorporated by Modification No. 145 to NRC-02-97-009

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Job Code J5226 (Private Fuel Storage)
Total FY98 obligation amount \$158,000
Total FY99 obligation amount \$332,630
Total FY00 obligation amount \$443,920

Cumulative Total of NRC Obligations for JC J5226 \$934,550.

Job Code J5324 (SKB Peer Review)
Total FY00 obligation amount \$9,987

Cumulative Total of NRC Obligations for JC J5324 \$9,987.

Job Code J5327 (Naval Spent Fuel)
Total FY00 obligation amount \$161,000

Cumulative Total of NRC Obligations for JC J5327 \$161,000.

This modification obligates \$13,415,000 in FY2001 funds.

e. Total amount authorized by Operations/Project Plans was as follows:

High-Level Waste Job Code: D1035 Amount: \$ 44,662,918	Licensing Support System Job Code: L1590 Amount: \$35,900
Research Job Code: B6666 Amount: \$ 15,584,461.47	Waste Solidification Systems Job Code: L1793 Amount: \$642,391.87 Job Code: J5190 Amount: \$39,900
Transportation Job Code: D1070 Amount: \$0	Monitored Retrievable Storage Job Code: L2516 Amount: \$20,459.70
Tank Waste Remediation Job Code: J5164 Amount: \$772,035.00	Safety Review of TMI-2 Job Code: J5186 Amount: \$158,290

Total amount authorized: \$ 61,916,356.04

f. The total award fee available; the award fee earned thus far and the evaluation period applicable thereto were as follows:

<u>Evaluation Period</u>	<u>Available Award Fee</u>	<u>Award Fee Earned</u>
11 9/27/92-4/9/93	\$309,465	259,951
12 4/10/93-9/24/93	347,645	316,673
13 9/25/93-9/30/94	709,894	668,010.43
14 10/1/94-9/29/95	817,617	793,088
15 9/30/95-9/27/96	665,948	645,970
16 9/28/96-9/26/97	556,736	528,899

Current Data

C. September 27, 1997 - September 27, 2002

- a. The total estimated ceiling amount of this Cost-Plus-Award-Fee type contract for the above mentioned period is \$87,611,477.00.
- b. The amount presently obligated by the Government with respect to this contract for this period is \$ 53,251,823.43. In addition, carryover funds in the amount of \$3,302,599.76 are available for use in this renewal period as indicated below. The award fee pool will be as stated in the AFDP. The plan will reflect the actual award fee pool based on cumulative estimated costs for performance of approved Operations/Project Plans. The applicable base fee percentage is also described in the AFDP.

- c. Evaluation of the award fee earned will be accomplished in accordance with the then current AFDP (Attachment 11). Neither the determination as to the amount of fee available during a given period, the amount of award fee earned, nor the determination of the criteria under which the subject award fee will be made, shall be subject to FAR Subpart 52.233-1, entitled, "Disputes".
- d. Total funds currently obligated by Job Code (JC) are as follows:

High-Level Waste
 Job Code: D1035
 New Funds: \$ 49,485,341
 Deob.: \$283,756.57
 Carryover: \$1,989,455.71
 Total: \$51,191,039.14

Waste Solidification Systems
 Job Code: L1793
 New Funds:
 Carryover: \$2,763.35
 Total: \$2,763.35

Tank Waste Remediation
 Job Code: J5164
 New Funds: \$1,375,000
 Carryover: \$1,246,284.95
 Total: \$2,621,284.95

Waste Solidification Systems
 Job Code: J5190
 New Funds:
 Carryover: \$35,349.05
 Total: \$35,349.05

Spent Fuel (TMI-2 Fuel Debris)
 Job Code: J5186
 New Funds: \$308,000
 Deob.: \$23,898
 Carryover: \$28,746.69
 Total: \$312,848.69

Spent Fuel (Dry Transfer)
 Job Code: J5206
 New Funds: \$643,600
 Deobligate: \$33,000
 Carryover: \$0
 Total: \$610,600

Aluminum-Based Spent Fuels
 Job Code: J5210
 New Funds: \$125,000
 Total: \$125,000

Spent Fuel (CIS)
 Job Code: D1035
 New Funds: \$450,000
 Total: \$450,000

Spent Fuel (PFS)*
 Job Code: J5226
 New Funds: \$934,550
 Total: \$934,550

Spent Fuel (CIS)
 Job Code: J5297
 New Funds: \$100,000
 Total: \$100,000

SKB Peer Review
 Job Code: J5324
 New Funds: \$9,987
 Total: \$9,987

Naval Spent Fuel
 Job Code J5327
 New Funds: \$161,000
 Total: \$161,000

Total New Funds Obligated for 2nd Renewal Period: \$53,592,478.00
 Funds Deobligated during 2nd Renewal Period: 340,654.57
 Net Obligated: \$53,251,823.43

*PFS is subject to the license fee recovery provisions located elsewhere in this contract.
 The TAC number for this project is L22462.

E. The following states the final audited indirect rates which apply to this contract:

Overhead for CNWRA	Overhead for SwRI	Applicable Period	
Basic Contract Period (NRC-02-88-005) (10/15/87 - 10/14/92)			
91.57%	126.66%	10/15/87 - 9/30/88	
80.87	125.43	10/1/88 - 9/30/89	
71.75	125.90	10/1/89 - 9/30/90	
71.35	129.60	10/1/90 - 9/30/91	
67.84	129.70	10/1/91 - 9/30/92	
70.78	134.92	10/1/92 - 10/14/92	
First Renewal Period (NRC-02-93-005)			
70.78%	134.92	10/15/92 - 9/24/93	
70.52	139.74	9/25/93 - 9/30/94	
71.57	138.58	10/1/94 - 9/29/95	
64.71	136.97*	9/30/95 - 9/27/96	
72.42	141.11*	9/28/96 - 9/26/97	
Second Renewal Period (NRC-02-97-009)			
Overhead for CNWRA	Overhead for SwRI	Material Burden	Applicable Period
67.73%	132.72%*	2.61%	9/27/97 - 9/25/98
71.58%	137.21%	3.22%	9/26/98 - 9/24/99

*See ceiling rate set forth on page 24.

G.2 Technical Direction

G.2.1. - Definition

- A. The term "Technical Direction" is defined to include the following:
1. Technical direction to the CNWRA which shifts work emphasis within the Job Code/major program area/subtask, requires pursuit of certain lines of inquiry, fills in details or otherwise serves to accomplish the scope of work for the directive.
 2. Providing assistance to the CNWRA in the preparation of drawings, specifications or technical portions of the work description.
 3. Review and where required by the contract, approval of technical reports, drawings, specifications and technical information to be delivered by the CNWRA to the Government under the contract.
- B. Technical direction must be within the stated scope of work. Project Officers, Program Element Managers, Technical Assistance Sponsor, NRC CNWRA Program Manager, and NRC CNWRA Deputy Program Manager do not have the authority to and may not issue any technical direction which:

Yucca Mountain Draft Environmental Impact Statement (DEIS) (subtask)	James R. Firth	Francis (Skip) Young (Transportation Portion)
Hanford Tank Waste System (Operations Plan) Subtask 3.1.2 and 3.2.2 Subtask 3.1.4 Subtask 3.1.6 Subtask 3.2.1	Michael Tokar	Robert Shewmaker Rex Wescott Lydia Chang Makuteswara Srinivasan
Spent Fuels Project Office (Operations Plan) TMI-2 Fuel Debris Dry Transfer System Central Interim Storage Private Fuel Storage Naval Spent Fuel	Mark Delligatti	Michael Raddatz Steven L. Baggett Steven L. Baggett Michael D. Waters Nancy Osgood
DOE Aluminum-Based Spent Nuclear Fuels Disposition Program (Operations Plan)	Charles Greene	None

G.3.2 - Technical Assistance Sponsors

- A. The individuals listed in "C" below are hereby designated as Technical Assistance Sponsors

The individual Technical Assistance Sponsors have overall technical responsibility for the work placed at the CNWRA, within their respective areas, as detailed in paragraph C. below and are responsible for: (1) identifying, prioritizing and recommending work to be placed at the CNWRA; (2) monitoring the CNWRA's progress to ensure that work completed is commensurate with resources expended and is on schedule including surveillance and assessment of performance, and recommending to the NRC CO changes in requirements; (3) interpreting the scope of work as required; (4) performing technical evaluations as necessary; (5) performing technical reviews and acceptances as required; and (6) assisting the CNWRA in the resolution of technical problems encountered during performance. Within the purview of this authority the Technical Assistance Sponsors are authorized to review all costs requested for reimbursement by the CNWRA which are associated to their particular program area and submit recommendations for approval, disapproval, or suspension for supplies/services required under the contract to the NRC CNWRA PM. The NRC CO is responsible for directing or negotiating any changes in terms, conditions, or amounts cited in the contract and elements.

- B. The Technical Assistance Sponsors are not authorized to approve or request any action which results in or could result in an increase in contract cost; or terminate the contract, settle any claim or dispute arising under the contract or issue any unilateral directive whatsoever.

Section H - Special Contract Requirements

The Contractor agrees that such personnel shall not be removed from the contract work or replaced without compliance with paragraphs (B) and (C) hereof.

- B. If one or more of the key personnel for whatever reason becomes or is expected to become, unavailable for work under this contract for a continuous period expected to exceed 30 work days, or is expected to devote substantially less effort to the work than indicated in approved Operations/Project Plans, the Contractor shall immediately notify the CO and shall, subject to the concurrence of the CO or his/her authorized representative, promptly replace such personnel with personnel of at least substantially equal ability and qualifications.
- C. All requests for approval of substitutions hereunder must be in writing and provide a detailed explanation of the circumstances necessitating the proposed substitutions. They must contain a complete resume for the proposed substitute, and other information requested by the CO or needed by him/her to approve or disapprove the proposed substitution. The CO or his/her authorized representative will evaluate such requests and promptly notify the contractor of his/her approval or disapproval thereof in writing.
- D. If the CO determines that suitable and timely replacement of key personnel who have been reassigned, terminated or have otherwise become unavailable for the contract work is not reasonably forthcoming or that the resultant reduction of productive effort would be so substantial as to impair the successful completion of the contract or the service order, the contract may be terminated by the CO for default or for the convenience of the Government, as appropriate, or, at the discretion of the Contracting Officer if he/she finds the contractor at fault for the condition, the contract price or fixed fee may be equitably adjusted downward to compensate the Government for any resultant delay, loss or damage.

H.20 Access to NRC Technical Data

NRC will provide the CNWRA with pertinent reports, data/information received from other sources which the CNWRA identifies as beneficial to its understanding of the study and schedules for key NRC and DOE actions.

H.21 Access to NRC or other Government Facilities

NRC will be responsible for assuring that the CNWRA has access to technical information, facilities, (including computer facilities), and activities and obtains the cooperation of program participants. This information exchange may involve NRC contractors, government agencies, government laboratories, or other organizations (specifically included is the anticipated timesharing computer services of INEL, and other Government laboratories such as LLNL, LANL, ORNL, SNLA, etc., as appropriate).

H.22 NRC Access to CNWRA Facilities

The CNWRA shall assure that NRC personnel have access to all CNWRA facilities and activities and obtains the cooperation of all CNWRA personnel.

H.23 Reciprocal Exchange of Staff

All personnel exchanges between the CNWRA and the NRC shall be performed in accordance with Attachment No. 13 entitled "Exchanges of Personnel Between the CNWRA and the U.S. NRC". Any change to this procedure shall be reflected via a modification to the contract.

H.24 Incorporation of Subcontracting Plan

The Southwest Research Institute's approved subcontracting plan, dated August 8, 1997, in support of the CNWRA, and submitted in accordance with FAR 52.219-9 is hereby incorporated by reference.

H.25 Subcontract Approvals

Award of this contract does not constitute acceptance of the proposed subcontracts as required by FAR 52.244-2.

H.26 Contractor Acquired Government Equipment/Property

(a) Capital Equipment. The purchase of capital equipment (as defined below) by the CNWRA with funds provided under this contract (other than overhead, general and administrative expenses, and fee) requires the prior written approval of the NRC CO. Capital equipment is defined as any unit having an estimated useful life of more than two years and valued in excess of \$50,000 per unit (capital equipment for NRC accounting purposes). For the purpose of this clause, computer software is considered capital equipment. Any request to purchase capital equipment shall be identified in the Operations Plan when submitted for approval or in a separate letter to the NRC Contracting Officer. After approval, any capital equipment purchased will be listed in this clause.

(b) Sensitive Equipment. The purchase of sensitive equipment (any of the property items listed in Attachment Number 17) by the CNWRA with funds provided under this contract (other than overhead, general and administrative expenses, and fee), regardless of dollar value, requires the prior written approval of the NRC CO. Any request to purchase sensitive equipment shall be identified in the Operations Plan when submitted for approval or in a separate letter to the NRC Contracting Officer. After approval, any sensitive equipment purchased will be listed in this clause.

(c) In the event that, during contract performance, the Contractor determines that the acquisition cost for the above item(s) is (are) expected to exceed the amount(s) contained in the CNWRA's Operations Plan or letter requesting approval to purchase the equipment, the contractor shall refer to the Limitation of Cost or Funds Clause when either is included in the contract.

(d) Only the equipment/property listed in this clause in the quantities shown, will be acquired by the contractor. Additional equipment/property as defined in (a) and (b) above may be acquired only after CO approval is authorized by an amendment to this clause. The equipment/property listed in this clause is subject to the provisions of the "Government Property" clause.

H.27 Government Furnished Equipment/Property

(a) The NRC has provided the Contractor with the following for use under this contract:

<u>Item</u>	<u>Manufacturer</u>	<u>Tag No.</u>	<u>Quantity</u>	<u>Location</u>
Multiplexer	Timeplex	05240	1	San Antonio, TX
Power Supply	Deltec	057892	1	San Antonio, TX
Network Controller DSU		058725	1	Rockville, MD
Power Supply	Liebert	076498	1	San Antonio, TX
Deskport Modem	Microm	060461	1	San Antonio, TX
Access Stack Node router	Bay Networks	057902	1	San Antonio, TX
Access Stack Node router	Bay Networks	063304	1	Rockville, MD
Deskport Modem	Microm	060449	1	Rockville, MD
CITRIX System	Citrix	Software	1	San Antonio, TX

(b) In addition, the items shown on Attachment 22 were acquired by the Contractor with Government funds under contracts NRC-02-88-005, NRC-02-93-005 and NRC-02-97-009.

(c) Only the equipment/property listed above in the quantities shown will be provided by the Government. This property is subject to the provisions of the Government Property clause under this contract. All other equipment/property required in performance of the contract shall be furnished by the Contractor.

H.28 Foreign Ownership, Control, or Influence Over Contractor

(a) For purposes of this clause, a foreign interest is defined as any of the following:

- 20 NRC Form 187, "Contract Security and/or Classification Requirements
- 21 Licence Fee Cost Recovery Status (Sample Form)
- 22 Inventory List of Equipment
- 23 Security Controls on the Dissemination of Naval Nuclear Propulsion Information

Project Mgr.: Paul Maldonado
Ext. 6836

INVENTORY LISTING
Contract No.: NRC-02-97-009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
1	Welch Director II Vacuum Pump, Mdl: 8814A 160L/Min.	1		1,143.75	1,143.75
2	Benchtop Beta Radiation Shields	1		99.32	99.32
3	Fisher Marathon 21 K Centrifuge w/High Speed Angle Rotor	1		2,685.00	2,685.00
4	Analysis Integration for ABAQUS, Mfg: HKS, Inc.	1		1,000.00	1,000.00
5	Hewlett-Packard Deskjet Printers, P/N C2121A; S/N 3316S40091 & 3316S40106	2		716.00	1,432.00
6	Fisher Marathon 21 Centrifuge; P/N 04-976-694, S/N None	1		1,495.00	1,495.00
7	Concrete Vibrator, 3/4" Head; P/N 991-D-5; S/N 992193269	1		495.00	495.00
8	Manostat Multichannel Peristaltic Cassette Pump, P/N 72-500-000; S/N 3315	1		740.00	740.00
9	Ametek Constant Velocity Air Sampling Pump w/Charger; P/N None; S/N 080393009	1		715.00	715.00

Total # of Items This Page: 10
Total \$'s This Page: \$9,805.07

Printed: 19-May-99

INVENTORY LISTING
Contract No.: NRC-02-97-009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
10	Power Supply, P/N F128-201C03, S/N T026	1		1,320.00	1,320.00
11	Hand-held Global Positioning System; P/N 6PS-85MIL	1		1,395.00	1,395.00
12	GPS 85 PC Software & Cable #GAR-8514	1		135.00	135.00
13	P/N 2800K1, Guelph Permeameter; Mfg: Soil Moisture Equipment Corp.	1		1,366.00	1,366.00
14	Soil Water Sampler; Mfg: Soil Moisture Equipment Corp.	1		237.00	237.00
15	CR10 Datalogger w/Clock, Multimeter & Controller (\$1090) w/the following: 10TCRT Thermocouple Reference Termister (\$17); Keyboard Display (\$275); PS12ALK 12 Volt Power Supply w/Charging Regulatory (\$235); & 12" x 14" Fiberglass Enclosure (\$180)	1		1,797.00	1,797.00
16	CSM1-1-Card-Based Data Storage Module w/Software	1		350.00	350.00
17	CSMC256K 256K Byte Memory Cared for Data Storage & Transfer	1		225.00	225.00

Total # of Items This Page: 8
Total \$'s This Page: \$6,825.00

Project Mgr.: Paul Maldonado
Ext. 6836

INVENTORY LISTING
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<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
18	SC532-9-Pin Peripheral RS-232 Interface for Data Transfer from CSM1-1 to Laptop Computer	1		180.00	180.00
19	PTA427A Varsala Barometric Pressure Sensor	1		1,225.00	1,225.00
20	Kinetics Case w/Interior Option "A"; Mdl 822	1		199.00	199.00
21	Kinetics Case w/Interior Option "A"; Mdl 827	1		210.00	210.00
22	Hardigg Case; P/N A-2914-0905; S/N NO1133	1		238.00	238.00
23	Summagraphics Microgrid III, Mdl M33648-16; MICD-344582 w/Power Stand MICD-344523; S/N 010363101SMG3930337	1		3,074.00	3,074.00
24	Grieve Oven, 7 Ft Capacity; P/N 13-261-32; S/N 445641	1		789.00	789.00
25	Combination Pipe & Bench Vise with 360° Swivel Base #4Z667, Wilton #C-1	1		377.40	377.40

Total # of Items This Page: 8
Total \$'s This Page: \$6,292.40

Printed: 19-May-99

Project Mgr.: Paul Maldonado
Ext. 6836

INVENTORY LISTING
Contract No.: NRC-02-97-009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
26	Uninterrupted Power Supply (UPS) P/N Smart-UPS 900, S/N 594063055043	1		448.00	448.00
27	Fluke Mdl 87 Digital Multimeter, P/N Model 87; S/N 61880517	1		260.50	260.50
28	Hewlett Packard 480 Scientific Calculator, P/N HP48G; S/N 3422502123	1		125.74	125.74
29	Benchtop DO2 Meter/Controller, Mdl H-01972-00; S/N 41054 - includes: Polargraphic Miniprove 150, Mdl H- 29020-10 (\$300); Polargraphic/BNC Cable, Mdl H-29029- 00 (\$30); Auto Clavable Minielectric PH, Mdl H-05662-15 (\$160); Detachable PH Cable/BWC, Mdl H-05661-08 (\$31.50)	1		1,621.50	1,621.50
30	EDM-1005-1.0 GB (512 BYTE/SECTOR) Erasable Optical JukeBox Media for Tahita - 2 Optical Disk Drive; P/N EOM- 1005P; S/N None	6		103.00	618.00

Total # of Items This Page: 10
Total \$'s This Page: \$3,073.74

Printed: 19-May-99

INVENTORY LISTING
Contract No.: NRC-02-97-009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
31	Refrigerator w/IceBox; Under Counter; 31"H x 30"D; P/N SC4SS; S/N AMO86231	1		199.00	199.00
32	Aneroid Barograph, Oakton 3 Speed; P/N G0857002; S/N CT485-AL-026967P	1		665.00	665.00
33	Dehumidifier, Mdl 5541; S/N QE2527610	1		199.99	199.99
34	Series 880 Multimeter w/Thermocouple Option; Mdl 881C; S/N T-115847	1		249.00	249.00
35	Suunto Altiplus K-2 Altimeter, S/N 5215	1		275.00	275.00
36	Temp/RH Recorder 110 VAC; S/N CT-485RS-110V-W-AL (\$620); w/Calibration Lockout Cover (\$25); & 6 Pen Sets (red & blue) \$54.60)	1		699.60	699.60
37	Model 43-1 Alpha Scintillation Detector; P/N 47-1516; S/N PR112636	1		495.00	495.00
38	Model 2200 Scaler/Ratemeter/SCA; P/N 48-1651; S/N 110912	1		1,295.00	1,295.00

Total # of Items This Page: 8
Total \$'s This Page: \$4,077.59

Project Mgr.: Paul Maldonado
Ext. 6836

INVENTORY LISTING
Contract No.: NRC-02-97-009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
39	KENS-268927 Expert Mouse	1		110.00	110.00
40	Kinetics Case, 27" x 18" x 8.5" Basic Shell Only	2		165.00	330.00
41	RDF Thermal Flux Meter w/Thermocouple; P/N 4/27070-1/K/HFS; S/N 96041630 & 95J0639	2		531.65	1,063.30
42	Heater, Silicone Rubber w/PSA; 34" x 36"; 2.5 Watts/1N2, Leads 36"; Teflon, Voltage 240VAC; Mdl: HTR3436PSA	1		782.00	782.00
43	Chemical Solution Calculator	1		152.33	152.33
44	Wind Monitor, 34' Lead; P/N 5103-L; S/N WM29631	1		762.00	762.00
45	Water Content Reflectometer w/30' Cable; P/N CS-615; S/N None	1		224.20	224.20

Total # of Items: 9

Total \$'s: \$3,423.83

Printed: 19-May-99

Project Mgr.: Paul Maldonado
Ext. 6836

INVENTORY LISTING
Contract No.: NRC-02-97-009

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>ID NO.</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
46	P/N CDR-600; NEC Multispeed CD-ROM Drive; NEC-F0600 External; S/N 4123274GB	1		556.00	556.00
47	CD-ROM, P/N 704-3891-10; includes: Scholarpack Sparcworks/Impact 1.0, Sparcworks/Teamware Media, and Sparcworks Professional C++	1		1,269.65	1,269.65

Total # of Items This Page: 2

Total \$'s This Page: \$1,825.65

OVERALL TOTAL ITEMS: 55

OVERALL TOTAL \$'s: \$35,323.28

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