

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE 01	PAGE OF PAGES 1 / 31
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2. AMENDMENT/MODIFICATION NO. 11	3. EFFECTIVE DATE 6-28-04	4. REQUISITION/PURCHASE REQ. NO. See Page 2	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE PS32-MFC	7. ADMINISTERED BY (If other than Item 6) CODE
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Glynda H. Meeks
(256) 544-0422

AUTOMATED INVOICE PAYMENT INFORMATION: (256) 544-5566

Procurement Office
George C. Marshall Space Flight Center
National Aeronautics and Space Administration
Marshall Space Flight Center, AL 35812

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) EG&G Technical Services, Inc. 15705 Long Vista Drive Austin, Texas 78720-1088	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO. NAS8-03078
		10B. DATED (SEE ITEM 13) July 3, 2003
CODE 125356	FACILITY CODE	

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 on 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)

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

(x)	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.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) FAR 43.103(a)

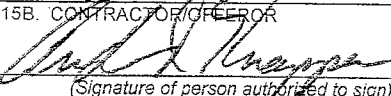

E. IMPORTANT: Contractor is not, is required to sign this document and return 3 copies to the issuing office.

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

	TOTAL FIXED PRICE FFP LUMP SUM	TOTAL NOT-TO-EXCEED FFP IDIQ	TOTAL NOT-TO-EXCEED CONTRACT VALUE	TOTAL SUM ALLOTTED*
PREVIOUS AMOUNT	\$12,711,134	\$10,000,000	\$22,711,134	\$11,651,872.42
INCREASE THIS MOD	-0-	-0-	-0-	-0-
NEW TOTAL	\$12,711,134	\$10,000,000	\$22,711,134	\$11,651,872.42

See Page 2 for modification description

*Funds are for Lump Sum effort only. Funds for IDIQ effort are obligated by individual Delivery Orders. 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) Andrew T. Knapper Program Manager	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Glynda H. Meeks Contracting Officer
15B. CONTRACTOR/GFEEROR  (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY ORIGINAL SIGNED BY:  (Signature of Contracting Officer)
15C. DATE SIGNED 6/28/04	16C. DATE SIGNED 6-28-04

The purposes of this modification are to correct 1) base period of performance; 2) make corrections to Section B Lump Sum, all years; 3) insert missing data and delete CLIN in Performance Requirements Summary Table (Section E), and revise E.7; 4) correct base period of performance in Section F; 4) correct attachment number in Section G; 5) make revisions to the Statement of Work; and 6) delete CLIN 00X1.1008 Groundwater Treatment Systems and Operations and PM which was inadvertently left in the Statement of Work but was not a negotiated/priced CLIN of the contract. Accordingly, NAS8-03078 is modified as follows:

- A. **SECTION B, Page B-4:** Change the Base Period to read 7/3/03-6/30/04 in lieu of 7/1/03-6/30/04.
- B. **SECTION B, BASE YEAR: Lump Sum – Page 1,** (1) CLIN 0001.0303, Technical Reference Library, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (2) CLIN 0001.0305, Work Control Center, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (3) CLIN 0001.0401 Trouble Calls add Est. Qty of 12, Unit of M, and correct typographical error by deleting ‘Definitions and Limitations’; (4) CLIN 0001.0402 Trouble Call Services Minor Service Requests add Est Annual Quantity of 12 and Unit of M.

SECTION B, BASE YEAR: Lump Sum – Page 2: (5) CLIN 0001.0703 Fire Alarm System Operations, add Est. Annual Quantity of 12 and Unit of M; (6) CLIN 0001.0704 Gas Detection System Operations, add Est. Annual Quantity of 12 and Unit of M; (7) CLIN 0001.0810 Automatic Fire Sprinkler System Quarterly Inspection Report, correct CLIN number to 0001.0815; (8) CLIN 0001.1008 RESERVED, delete Est. Annual Quantity and Unit of M.

SECTION B, BASE YEAR: Lump Sum – Page 3: (9) CLIN 0001.1224 Refrigerant Recovery Management Plan, change Est. Annual Quantity from ‘1’ to ‘12’; change Unit from ‘A’ to ‘M’; change Unit Price to reflect one-twelfth of Total Price.

SECTION B, OPTION YEAR 1: Lump Sum – Page 5, (1) CLIN 0011.0303, Technical Reference Library, add Est. Annual Quantity of 12. Unit of M, and Unit Price based on one-twelfth of Total Price; (2) CLIN 0011.0305, Work Control Center, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (3) CLIN 0011.0306 Computerized Maintenance Management System (CMMS); revise Unit Price to reflect one-twelfth of Total Price (4) CLIN 0011.0401 Trouble Calls add Est. Annual Quantity of 12, Unit of M, and correct typographical error by deleting ‘Definitions and Limitations’; (5) CLIN 0011.0402 Trouble Call Services Minor Service Requests add Est Annual Quantity of 12 and Unit of M.

SECTION B, OPTION YEAR 1: Lump Sum – Page 6: (6) CLIN 0011.0703 Fire Alarm System Operations, add Est. Annual Quantity of 12 and Unit of M; (7) CLIN 0011.0704 Gas Detection System Operations, add Est. Annual Quantity of 12 and Unit of M; (8) CLIN 0011.0810 Automatic Fire Sprinkler System Quarterly Inspection Report, correct CLIN number to 0011.0815; (9) CLIN 0011.1008 RESERVED, delete Est. Annual Quantity and Unit of M

SECTION B, OPTION YEAR 1: Lump Sum – Page 7: (9) CLIN 0011.1224 Refrigerant Recovery Management Plan, change Est. Annual Quantity from '1' to '12'; change Unit from 'A' to 'M'; change Unit Price to reflect one-twelfth of Total Price.

SECTION B, OPTION YEAR 2: Lump Sum – Page 9, (1) CLIN 0021.0303, Technical Reference Library, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (2) CLIN 0021.0305, Work Control Center, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (3) CLIN 0021.0401 add Est. Annual Quantity of 12, Unit of M, and correct typographical error by deleting 'Definitions and Limitations'; (4) CLIN 0021.0402 Trouble Call Services Minor Service Requests add Est Annual Quantity of 12 and Unit of M.

SECTION B, OPTION YEAR 2: Lump Sum – Page 10: (5) CLIN 0021.0703 Fire Alarm System Operations, add Est. Annual Quantity of 12 and Unit of M; (6) CLIN 0021.0704 Gas Detection System Operations, add Est. Annual Quantity of 12 and Unit of M; (7) CLIN 0021.0810 Automatic Fire Sprinkler System Quarterly Inspection Report, correct CLIN number to 0011.0815; (8) CLIN 0021.1008 RESERVED, delete Est. Annual Quantity and Unit of M

SECTION B, OPTION YEAR 2: Lump Sum – Page 11: (9) CLIN 0021.1224 Refrigerant Recovery Management Plan, change Est. Annual Quantity from '1' to '12'; change Unit from 'A' to 'M'; change Unit Price to reflect one-twelfth of Total Price.

SECTION B, OPTION YEAR 3: Lump Sum – Page 13, (1) CLIN 0031.0303, Technical Reference Library, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (2) CLIN 0031.0305, Work Control Center, add Est. Annual Quantity of 12 and Unit Price based on one-twelfth of Total Price; (3) CLIN 0031.0401 Trouble Calls add Est. Annual Quantity of 12, Unit of M, and correct typographical error by deleting 'Definitions and Limitations'; (4) CLIN 0031.0402 Trouble Call Services Minor Service Requests add Est Annual Qty of 12 and Unit of M.

SECTION B, OPTION YEAR 3: Lump Sum – Page 14: (5) CLIN 0031.0703 Fire Alarm System Operations, add Est. Annual Quantity of 12 and Unit of M; (6) CLIN 0031.0704 Gas Detection System Operations, add Est. Annual Quantity of 12 and Unit of M; (7) CLIN 0031.0810 Automatic Fire Sprinkler System Quarterly Inspection Report, correct CLIN number to 0031.0815; (8) CLIN 0031.1008 RESERVED, delete Est. Annual Quantity and Unit of M

SECTION B, OPTION YEAR 3: Lump Sum – Page 15: (9) CLIN 0031.1224 Refrigerant Recovery Management Plan, change Est. Annual Quantity from '1' to '12'; change Unit from 'A' to 'M'; change Unit Price to reflect one-twelfth of Total Price.

SECTION B, OPTION YEAR 4: Lump Sum – Page 17: (1) CLIN 0041.0303, Technical Reference Library, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (2) CLIN 0041.0305, Work Control Center, add Est. Annual Quantity of 12, Unit of M, and Unit Price based on one-twelfth of Total Price; (3) CLIN 0041.0401 Trouble Calls add Est. Annual Quantity of 12, Unit of M, and correct typographical error by deleting Definitions and Limitations; (4) CLIN 0041.0402 Trouble Call Services Minor Service Requests add Est Annual Quantity of 12 and Unit of M.

SECTION B, OPTION YEAR 4: Lump Sum – Page 18: (5) CLIN 0041.0703 Fire Alarm System Operations, add Est. Annual Quantity of 12 and Unit of M; (6) CLIN 0041.0704 Gas Detection System Operations, add Est. Annual Quantity of 12 and Unit of M; (7) CLIN 0041.0810 Automatic Fire Sprinkler System Quarterly Inspection Report, correct CLIN number to 0041.0815; (8) CLIN 0041.1008 RESERVED, delete Est. Annual Quantity and Unit of M

SECTION B, OPTION YEAR 4: Lump Sum – Page 19: (9) CLIN 0041.1224 Refrigerant Recovery Management Plan, change Est. Annual Quantity from '1' to '12'; change Unit from 'A' to 'M'; change Unit Price to reflect one-twelfth of Total Price.

B. **SECTION E, PAGE E-6:** Revise 'on the 8th day of each month' to read 'by the 5th working day of each month'

SECTION E, PAGE E-12: (1) CLIN 00X1.0604 State Indirect Discharge Sampling, - Under the Work Requirements column, add 3. Timeliness; under MADR column for 3. Timeliness, add 20%; under Note column for 3. Timeliness add 2;. (2) CLIN 00X1.0605 NPDES Sampling – Under the Work Requirements column, add 1. Quality and 2. Documentation; under the Weight column for 1. Quality and 2. Documentation, add 40% for each; under the MADR column for 1. Quality and 2. Documentation, add 3, under Note column for 1. Quality and 2. Documentation, add 4; and under Requiriement column, add Para 6.2.B.2.

SECTION E, PAGE E-14:CLIN 00X1.1008 Groundwater Treatment System Operations – and PM: Mark CLIN as RESERVED and delete all data pertaining to the CLIN.

- C. **SECTION F, Page F-2, Clause F.4 PERIOD OF PERFORMANCE, A:** Revised to read – The base period of performance of this contract shall be July 3, 2003, through June 30, 2004.
- D. **SECTION G, Page G-4:** Correct Attachment L-12 to read Attachment J-8.
- E. **ATTACHMENT J-1, Statement of Work, Page J-1-30: 1. Performance of FWRs or DOs:** Under ‘a.’, change ‘provide the COTR with a work schedule, listing the FWRs or DOs to be worked the following day by 3:00 p.m. each workday’ to read ‘ensure the work status in CMMS is updated as of 3:00 p.m. each work day to accurately reflect the following day’s FWR schedule’ Under ‘b.’, change ‘COTR or authorized representative’ to read ‘Building Manager and/or Maintenance Project Manager’
- F. **ATTACHMENT J-1, Statement of Work, Page J-1-32: 5. Inspection of FWRs or DOs, c. Notice of Completion of FWRs or DOs,** change ‘CO and COTR or authorized representative’ to read ‘Maintenance Project Manager’. Under d. Final Inspections, change ‘COTR’ to read ‘Maintenance Project Manager.’
- ATTACHMENT J-1, Statement of Work, Page J-1-106: I. CLIN 00X1.1008 Groundwater Treatment System Operations and PM:** Delete CLIN in its entirety and mark RESERVED.
- G. DRD 987LS-002, Page J-2-17: Under 15.3 Contents, change Attachment J-19 to read Attachment J-11.
- H. As a result of these actions, the following updated pages are incorporated as part of this modification. Changes are marked with a vertical bar in the right margin in the area of change.

SECTION/ATTACHMENT

REPLACE/REVISED PAGES

SEC B/Page B-4

SEC B/Page B-4

SEC B/BASE YR, LUMP SUM – Page 1

SEC B/BASE YR, LUMP SUM – Page 1

SEC B/BASE YR, LUMP SUM – Page 2

SEC B/BASE YR, LUMP SUM – Page 2

SEC B/BASE YR, LUMP SUM – Page 3

SEC B/BASE YR, LUMP SUM – Page 3

SEC B/OPTION YR 1, LUMP SUM – Page 5

SEC B/OPTION YR 1, LUMP SUM – Page 5

SECTION/ATTACHMENT

REPLACE/REVISED PAGES

SEC B/OPTION YR 1, LUMP SUM – Page 6	SEC B/OPTION YR 1, LUMP SUM – Page 6
SEC B/OPTION YR 1, LUMP SUM –Page 7	SEC B/OPTION YR 1, LUMP SUM –Page 7
SEC B/OPTION YR 2, LUMP SUM – Page 9	SEC B/OPTION YR 2, LUMP SUM – Page 9
SEC B/OPTION YR 2, LUMP SUM – Page 10	SEC B/OPTION YR 2, LUMP SUM – Page 10
SEC B/OPTION YR 2, LUMP SUM – Page 11	SEC B/OPTION YR 2, LUMP SUM – Page 11
SEC B/OPTION YR 3, LUMP SUM – Page 13	SEC B/OPTION YR 3, LUMP SUM Page 13
SEC B/OPTION YR 3, LUMP SUM – Page 14	SEC B/OPTION YR 3, LUMP SUM – Page 14
SEC B/OPTION YR 3, LUMP SUM – Page 15	SEC B/OPTION YR 3, LUMP SUM – Page 15
SEC B/OPTION YR 4, LUMP SUM – Page 17	SEC B/OPTION YR 4, LUMP SUM – Page 17
SEC B/OPTION YR 4, LUMP SUM – Page 18	SEC B/OPTION YR4, LUMP SUM – Page 18
SEC B/OPTION YR 4, LUMP SUM – Page 19	SEC B/OPTION YR4, LUMP SUM – Page 19
SEC E, PAGE E-6	SEC E, PAGE E-6
SEC E, PAGE E-12	SEC E, PAGE E-12
SEC E, PAGE E-14	SEC E, PAGE E-14
SEC F, PAGE F-2	SEC F, PAGE F-2
SEC G, PAGE G-4	SEC G, PAGE G-4
ATTACHMENT J-1, Page J-1-30	ATTACHMENT J-1, Page J-1-30
ATTACHMENT J-1, Page J-1-32	ATTACHMENT J-1, Page J-1-32
ATTACHMENT J-1, Page J-1-106	ATTACHMENT J-1, Page J-1-106
ATTACHMENT J-2, Page J-2-17	ATTACHMENT J-2, Page J-2-17

I. Except as provided for herein, there are no other changes to NAS8-03078.

SECTION B
Modification 11

<u>PERIOD COVERED</u>	<u>LUMP SUM AMOUNT</u>	<u>NTE IDIQ AMOUNT</u>	<u>TOTAL ESTIMATED NOT-TO-EXCEED</u>
Base Period: 7/3/03 - 6/30/04	\$12,711,134	\$10,000,000	\$22,711,134

Total not-to-exceed price for each option year is set forth below:

<u>PERIOD COVERED</u>	<u>LUMP SUM AMOUNT</u>	<u>NTE IDIQ AMOUNT</u>	<u>TOTAL ESTIMATED NOT-TO-EXCEED</u>
Option Year 1 7/1/04 - 6/30/05	\$12,261,300	\$15,000,000	\$27,261,300
Option Year 2: 7/1/05 - 6/30/06	\$12,098,370	\$15,000,000	\$27,098,370
Option Year 3: 7/1/06 - 6/30/07	\$11,830,241	\$15,000,000	\$26,830,241
Option Year 4: 7/1/07 - 6/30/08	\$11,676,726	\$15,000,000	\$26,676,726

(End of Clause)

B.4 IDIQ ORDERING PROCEDURES

- A. The Contracting Officer shall issue all IDIQ work under this contract. As required, blanket Delivery Orders (DOs) shall be issued to establish a dollar value ceiling for issuance of Facility Work Requests (FWRs). Technical monitors, appointed by the Contracting Officer, shall direct the issuance of FWRs to request and schedule specific services under \$500,000. All FWRs shall be subject to the review and approval of the COTR. Delivery Orders will be issued on MSFC Form 3988 - Order for Supplies or Services, and FWRs will be issued on Form 199 (see example attached to SOW).
- B. Emergency requests may be issued by oral communication with established not-to-exceed values, where written confirmation will follow within 72 hours. Upon written confirmation, the Contractor shall follow the IDIQ procedures outlined in Attachment J-1, Paragraph 1.6.

(End of Clause)

B.5 IDIQ WORK

E.7 CONTRACTORS SELF- EVALUATION OF PERFORMANCE

Contractor's Self-evaluation of Performance shall be submitted by the 5th working day of each month, complete with backup and analyses for all Lump Sum and IDIQ work completed in performance of this contract. This includes computing deductions taken from lump sum work Schedule of Prices. The Contractor's Self-Evaluation will be considered by the Government in its evaluation. For each event where the Contractor is found to be inaccurate in the Contractor's monthly self-evaluation, a unilateral deduction of \$500 will be deducted from the Contractor's total monthly invoice in addition to deductions identified at Performance Evaluation Meeting.

(End of Clause)

E.8 PERFORMANCE EVALUATION MEETINGS

The Contractor shall meet with the Government on a monthly basis to discuss the Contractor's prior month performance. The Contractor's Self Evaluation of Performance will be assessed by the Contracting Officer, the COTR, and the Government Technical Monitors. A mutual effort will be made to resolve all problems identified. The Performance Evaluation Meeting and performance results will be determined before monthly invoices are paid.

(End of Clause)

E.9 ALTERNATE DISPUTES RESOLUTION

Notwithstanding the provisions of the clause entitled "Disputes" of this contract, no claim shall be submitted for monthly contract adjustments made pursuant to "Consequences of Contractor's Failure to Satisfy Performance Requirements" that in the aggregate for each month do not exceed \$10,000.

The Government and Contractor will develop, after contract award, a mutually acceptable alternative for resolving disputes that may arise during the performance of this contract.

(End of Clause)

E.10 PERFORMANCE REQUIREMENTS SUMMARY

The Contract Requirements listed in this Performance Requirements Summary (PRS) summarize specific firm fixed price tasks that are to be performed under this contract.

SECTION E
MODIFICATION 11

00X1.0315	Headquarters (HQ) Metrics	1. Quality (content per DRD) 2. Timeliness	80% 20%	0% 2%	4 1	DRD 987LS-012
00X1.0401	Trouble Calls	1. Quality 2. Timeliness 3. Documentation	50% 30% 20%	2% 3% 2%	4 2&3 4	Para 4.2A & 4.2C Para. 4.2D, 4.2F, & 4.2G Para. 4.2D & 4.2E
00X1.0402	Trouble Call Services Minor Service Requests	1. Quality 2. Timeliness 3. Documentation	50% 30% 20%	2% 3% 2%	4 2&3 4	Para 4.2A & 4.2C Para. 4.2D, 4.2F, & 4.2G Para. 4.2D & 4.2E
00X1.0601	Establish Spill Response Team	1. Quality	100%	3%	4	Para. 6.2A.1
00X1.0602	Response to Spills and Releases	1. Quality 2. Timeliness	40% 60%	0% 0%	4 2	Para. 6.2A.2
00X1.0603	Spill Equipment and Supplies	1. Quality 2. Timeliness	50% 50%	3% 5%	4 3	Para. 6.2A.3
00X1.0604	State Indirect Discharge Sampling	1. Quality 2. Documentation 3. Timeliness	40% 40% 20%	3% 3% 10%	4 4 2	Para. 6.2B.1
00X1.0605	NPDES Sampling	1. Quality 2. Documentation 3. Timeliness	40% 40% 20%	3% 3% 10%	4 4 2	Para 6.2.B.2
00X1.0606	Groundwater Treatment System Sampling	1. Quality 2. Documentation 3. Timeliness	40% 40% 20%	3% 3% 10%	4 4 2	Para. 6.2B.2
00X1.0607	Asbestos Notification and Disposal Documentation	1. Quality 2. Documentation 3. Timeliness	20% 20% 60%	3% 3% 0%	4 4 2	Para. 6.2C.1
00X1.0608	Asbestos and Lead Abatement Records	1. Quality 2. Timeliness	75% 25%	3% 10%	4 3	Para. 6.2C.2
00X1.0609	Spill Response Team, Equip and Supplies Listing	1. Quality (content per DRD) 2. Timeliness	75% 25%	3% 10%	4 3	DRD 987EE-003
00X1.0610	SID and NPDES Monthly Report	1. Quality (content per DRD) 2. Timeliness	75% 25%	3% 10%	4 3	DRD 987EE-004
00X1.0611	Asbestos Management Program	1. Quality (content per DRD) 2. Timeliness	75% 25%	3% 10%	4 1	DRD 987EE-001
00X1.0612	Lead Program	1. Quality (content per DRD) 2. Timeliness	75% 25%	3% 10%	4 3	DRD 987EE-002
00X1.0613	Asbestos and Lead Monthly Report	1. Quality (content per DRD) 2. Timeliness	75% 25%	3% 10%	4 3	DRD 987EE-005

SECTION E
MODIFICATION II

00X1.0815	Automatic Fire Sprinkler Sys Quarterly Insp Report	1. Quality (content per DRD) 2. Timeliness	80% 20%	0% 2%	4 1	DRD 987LS-007
00X1.0901	Semi-Annual Roof Inspections	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 9.2B
00X1.0902	Pest Control	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 9.2C
00X1.0903	Equipment Room PM	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 9.2D
00X1.0904	Roof Documentation	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 9.3B
00X1.1001	Horizontal and Vertical Sliding Roll Door PM	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 10.2B
00X1.1002	Hoist, Crane, and Derrick PM	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 10.2C
00X1.1003	Elevator PM	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 10.2D
00X1.1004	Heavy Equipment Operation	1. Heavy equipment availability 2. Fabrication/load testing lifting devices 3. Timeliness	60% 20% 20%	2% 2% 3%	2 4 3	Para. 10.2E
00X1.1005	Handling and Transporting Program Critical Hdwe	1. Maintain operational status	100%	0%	4&5	Para. 10.2F
00X1.1006	Deionized Water Operations and PM	1. Purity 2. PM quality 3. Timeliness	50% 30% 20%	0% 2% 3%	4 4 3	Para. 10.2G
00X1.1007	Indust Wastewater Treatment Fac Operations and PM	1. Environmental compliance 2. PM quality 3. Timeliness	50% 30% 20%	0% 2% 3%	4 4 3	Para. 10.2H
00X1.1008	RESERVED					
00X1.1009	Air Compressor PM	1. Quality 2. Timeliness	70% 30%	2% 3%	4 3	Para. 10.2J
00X1.1010	Air Dryer PM	1. Quality	70%	2%	4	Para. 10.2K

of any act or omission on the part of the Contractor, or its agents, employees, or subcontractors, or (2) any items or services which the Contractor performs or delivers in order to support its own operations (rather than satisfy the requirements of this contract). Examples under category (1) include any repair or restorative work which might be required due to the negligence of Contractor employees; examples under category (2) include services expended by the Contractor to move or relocate its personnel on-site, and the acquisition of equipment and supplies to accommodate the needs of the Contractor's employees.

(End of Clause)

F.3 PHASE-IN AND PHASE-OUT

- A. Contractor Phase-In. Phase-In activities shall be accomplished in accordance with FAR 52.237-3, Continuity of Services. Phase-In shall not exceed a maximum of 60 calendar days beginning with the contract award date.
- B. If Phase-In activities are required, the first year period of performance will be calculated to include lump sum price for base contract period, less a maximum of 2 months of lump sum price for base contract period (two twelfths of base contract period), plus Phase-In price, if any.
- C. Contractor Phase-Out. Phase-out activities shall be accomplished in accordance with FAR 52.237-3, Continuity of Services.
- D. Upon Completion of Phase-Out, at the Government's option, the Contractor will be required to furnish to the Government, at no higher than vendors invoice price, all remaining spare parts that were Contractor procured.

(End of Clause)

F.4 PERIOD OF PERFORMANCE

- A. The base period of performance of this contract shall be July 3, 2003, through June 30, 2004.
- B. In the event the Government elects to exercise its option(s) pursuant to the terms of this contract, the period of performance for each option shall be as set forth below:

SECTION G
MODIFICATION 11

1. Equipment to be made available to the Contractor for use in performance of this contract on-site and at such other locations as approved by the Contracting Officer is listed in Attachment J-8. The Government retains accountability for this property, regardless of its authorized location. The Contractor shall replace any of the General Purpose Equipment that reaches the end of its useful life during the contract period, or which is beyond economical repair, if the equipment is still needed for contract performance. Such replacements shall be made with Contractor-owned facilities. Contractor acquisitions of facility items for the Government shall be prohibited, unless specifically authorized by the contract or consent has been obtained in writing from the Contracting Officer pursuant to FAR 45.302-1(a).
 2. If the Contractor acquires property for the Government under the IDIQ portion of this contract, this property shall become accountable to the Government. The required information for this property shall be provided to the MSFC Logistics Services Department for entry into the NASA Equipment Management System (NEMS).
 3. The Contractor may bring on-site for use under this contract any property owned or leased by the Contractor, without the Contracting Officer's prior written approval. Such property will be clearly marked (visibly different from NASA markings) as Contractor property. The Contractor shall obtain MSFC Logistics Services Department concurrence for markings before use.
- C. Supplies from stores stock: Not available.
- D. Publications and blank forms stocked by the installation.
- E. Safety and fire protection for Contractor personnel and facilities.
- F. Installation service facilities: Those listed in Attachments J-8 & J-27.
- G. Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty, including ambulance services; in all instances of severe injury, or sudden life threatening illness (e.g. heart attack), the Emergency Medical Team shall be summoned immediately, by dialing 911. Referral to tertiary care centers and for private physicians will be made in cases requiring long-term follow-up, or when specific services required are unavailable on-site. NASA mandated physicals under the general guidelines established by OSHA, EPA, and NRC.

and approval of the estimate, issue a modification to the FWR or DO for the change in scope. Modifications will be priced in the same manner and hierarchy as FWRs or DOs. The Contractor shall notify all Building Managers (or customers being affected) of any schedule delays by the Contractor.

1. Performance of FWRs OR DOs

In performance of work under this contract, the Contractor shall:

- a. As a minimum, ensure the work status in CMMS is updated as of 3:00 p.m. each work day to accurately reflect the following day's FWR schedule. The Building Manager and Maintenance Project Manager shall be notified immediately if revisions to the schedule are necessary during the workday.
- b. Arrange with the Building Manager and/or Maintenance Project Manager a sequence of procedure, means of access, space for storage of materials and equipment, use of approaches, corridors, and stairways. Since space for storage is limited in work areas, the majority of storage must be outside or at the Contractor's assigned area. Only materials to be used for work under this paragraph of the contract may be stored at the assigned areas.
- c. The building and work areas may be occupied during performance of work under the contract. The Contractor shall take particular care in the execution of the work in all computer, mechanical, electrical, and telephone equipment areas. Uninterrupted operations must be maintained in these areas.

2. Additional Items of Work

Items of work not initially determined and not listed in Means but within this contract scope and general intent, may be negotiated by the Contracting Officer and added to the contract by modification any time during the contract period. Prices negotiated for an item for a specific FWR or DO may be used in that order. The negotiated price for the additional items of work incorporated by modification shall remain in effect for that contract year. Prices for additional items of work shall be negotiated each year of the contract.

The Contractor's proposed price for additional items requested shall be broken out by labor, material and equipment costs. Application of the coefficient factor for these items shall be the same as Non-Means items.

3. Commencement, Prosecution, and Completion of Work

by a FWR or DO or that portion of the work the CO or authorized representative determines can be accepted separately.

a. Inspections - General See Sections E.1 and E.2.

b. Inspections - Tests and Concealed Items

- 1) The Contractor shall notify the COTR or authorized representative, at least 2 days prior to any test, concrete placement, and other concealment of critical components. Inspection will be made after notification that all items have been installed for the test or concrete placement. Should the inspection reveal that corrective measures are required or that the work is not complete, an additional 24 hours will be allowed to complete the Government inspection after all work has been corrected.
- 2) The COTR or authorized representative shall be notified at least 24 hours in advance of backfilling or encasing in order that final location and elevations can be verified. Failure to provide such notification may require reopening of a trench to obtain necessary verification and further backfilling, all at the Contractor's expense.

c. Notice of Completion of FWRs or DOs

The Contractor shall notify the Maintenance Project Manager in writing within seven days, upon completion of each individual FWR or DO. The Contractor shall give 72 hours advance notice of the date the work will be fully completed and ready for final inspection notification.

d. Final Inspections

The Contractor shall notify the Maintenance Project Manager within one (1) working day following completion of each FWR or DO to schedule a joint final inspection. The Contractor shall allow a minimum of three working days after the Contractor's request for the Government to schedule the joint final inspection. The Government, or individual(s) authorized by the Government, will thoroughly inspect the completed work. The Contractor shall submit to the COTR "red line" drawings showing "as-built" conditions for all previously agreed to changes to system configuration at the time of the final inspection.

e. Acceptance Of Work For FWRs and DOs

The Government will accept IDIQ work only after all work has been completed and noted discrepancies have been corrected. A complete FWR or DO package, including a statement of corrective action taken

Contractor is to monitor particulate so the Government may consider an alternate means to ensure particular requirements are met. The primary storage vessel for DI water has a capacity of 50,000 gallons and should be maintained at a level necessary to meet customers needs. Maintenance timeliness shall be the same as trouble calls. The Contractor shall have written operating procedures for this facility. These procedures shall be available for Government inspection at all times. The Contractor shall perform PM on all DI water equipment as listed in Attachment J-24 in compliance with the Contractor's PM plan.

- H. Contract Element (CLIN - 00X1.1007) Industrial Wastewater Treatment Facility (IWTF) Operations and PM The Contractor shall operate and maintain the IWTF in accordance with MSFC State Indirect Discharge (SID) permit (IU084500027). The IWTF has the capacity to treat 50,000 gallons per day of metal finishing wastewater, and 5,000 gallons per day of paint booth and water blast wastewater. Maintenance timeliness shall be the same as for trouble calls. Sample collection and reporting are included with Paragraph 6.0, Environmental Management Support. Historical data for operation of this facility is included in Attachment L-20. The Contractor shall have a written operating procedure for this facility. These procedures shall be available for Government inspection at all times. The Contractor shall perform PM on all IWTF equipment as listed in Attachments J-24 and J-25 in compliance with the Contractor's PM plan.

- I. CLIN 00X1.1008 – RESERVED

- J. Contract Element (CLIN - 00X1.1009) Air Compressor PM The Contractor shall perform PM for all air compressors listed in Attachment J-24 in accordance with manufacturer recommendations.

- K. Contract Element (CLIN - 00X1.1010) Air Dryer PM The Contractor shall perform PM for all air dryers listed in Attachment J-24 in accordance with manufacturer recommendations.

- L. Contract Element (CLIN - 00X 1.1011) Aeration Basin and Chemical Feed Operation and PM The Contractor shall operate and maintain the aeration basin and chemical feed system at the National Pollution Discharge

DATA REQUIREMENTS DESCRIPTION (DRD)

1. DPD NO.: 987 ISSUE: RFP
2. DRD NO.: **987LS-002**
3. DATA TYPE: 2*
4. DATE REVISED:
5. PAGE: 1/2
6. TITLE: Preventive Maintenance Plan
7. DESCRIPTION/USE: To provide the Contractor's preventive maintenance plan for collateral equipment at MSFC.
8. OPR: AD20 9. DM: AD20
10. DISTRIBUTION: Per Contracting Officer's letter
11. INITIAL SUBMISSION: Within 60 days after Authority to Proceed (ATP), unless otherwise specified by the Contracting Officer
12. SUBMISSION FREQUENCY: Annually; update on anniversary of contract ATP
13. REMARKS: *Note to Data Type: The Government will review the plan within 10 working days of initial submittal. If there are no comments the Government will approve the plan. If the Government determines the plan to be unacceptable, a meeting will be held with the Contractor within the next 5 working days to resolve issues and make the plan acceptable to both parties.
14. INTERRELATIONSHIP: SOW paragraphs 1.5D4, 3.2A4; CLIN 00X1.0304
15. DATA PREPARATION INFORMATION:
 - 15.1 SCOPE: The Preventive Maintenance Plan represents the optimum preventive maintenance the Contractor considers appropriate for minimizing repair requirements while maximizing the life span and performance of Center collateral equipment.
 - 15.2 APPLICABLE DOCUMENTS: None
 - 15.3 CONTENTS: The contractor's initial Preventive Maintenance Plan shall consider current preventive and predictive testing and inspection data. The plan shall also address how the contractor will implement predictive testing and inspection for equipment associated with the pressurants, propellants and calibration systems listed in Attachment J-11.

The Preventive Maintenance Plan shall:

 - a. Contain the Contractor's rationale for the plan based on the current preventive maintenance and predictive and testing inspection program data, manufacturer's recommendations, the Contractor's knowledge of best preventive maintenance practices, appropriate codes, and the use of reliability centered maintenance approaches.
 - b. Address predictive testing and inspection and programmed maintenance tasks as well as traditional preventive maintenance tasks. Note that programmed maintenance tasks will be implemented at the discretion of the Government using the indefinite delivery indefinite quantity work process.
 - c. Any PT&I tasks that are recommended shall satisfy the following additional criteria:
 1. There shall exist a clearly defined potential failure. The alarm level selected shall, for the applicable PT&I technology, be set to provide the longest P-F interval possible.
 2. There shall exist an identifiable P-F interval.