



AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING	PAGE OF PAGES 1 4		
2. CONTRACT (Proc. Inst. Ident.) NO. SBA 6-90-1-1042		3. EFFECTIVE DATE September 30, 1990		4. REQUISITION/PURCHASE REQUEST/PROJECT NO. RS-RG4-90-268			
5. ISSUED BY U.S. Small Business Administration 1100 Commerce, Room 3C36 Dallas, TX 75242		6. ADMINISTERED BY (If other than Item 5) U.S. Nuclear Regulatory Commission Contract Administration Branch, P-902 Washington, DC 20555					
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, State and ZIP Code) USRobotech, Incorporated 3608 Falcon Drive Fort Worth TX 76119-7225				8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)			
				9. DISCOUNT FOR PROMPT PAYMENT Net			
				10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN ITEM 12			
11. SHIP TO/MARK FOR N/A		12. PAYMENT WILL BE MADE BY US Nuclear Regulatory Commission Div. of Accounting & Finance, GOV/COM Section Washington, DC 20555					
13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input checked="" type="checkbox"/> 15 USC 637(a) <input checked="" type="checkbox"/> 10 U.S.C. 2304(c)(1) <input checked="" type="checkbox"/> 41 U.S.C. 253(c)(1) 5				14. ACCOUNTING AND APPROPRIATION DATA SEE PRIME CONTRACT			
15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT		
	See prime contract between U.S. Small Business Administration and U.S. Nuclear Regulatory Commission, No. NRC-31-90-268, entitled "Data Entry and Programming Support Services". The following Contract Clauses are hereby made a part of this subcontract: 52.219-11 - Special 8(a) Contract Conditions; 52.219-12 - Special 8(a) Subcontract Conditions; and 52.219-14 Limitations on Subcontracting.						
19G. TOTAL AMOUNT OF CONTRACT ▶ \$172,522.00							
16. TABLE OF CONTENTS							
W)	SEC	DESCRIPTION	PAGE(S)	V)	SEC	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
X	A	SOLICITATION/CONTRACT FORM	1	X	I	CONTRACT CLAUSES	2
	B	SUPPLIES OR SERVICES AND PRICES/COSTS		PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
	C	DESCRIPTION/SPECS./WORK STATEMENT		J		LIST OF ATTACHMENTS	
	D	PACKAGING AND MARKING		PART IV - REPRESENTATIONS AND INSTRUCTIONS			
	E	INSPECTION AND ACCEPTANCE		K		REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
	F	DELIVERIES OR PERFORMANCE		L		INSTRS., CONDS. AND NOTICES TO OFFERORS	
	G	CONTRACT ADMINISTRATION DATA		M		EVALUATION FACTORS FOR AWARD	
	H	SPECIAL CONTRACT REQUIREMENTS					
CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE							
17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 6 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)				18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as in the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.			
19A. NAME AND TITLE OF SIGNER (Type or print) Roy Thompson, President				20A. NAME OF CONTRACTING OFFICER ELLA L BANKS			
19B. NAME OF CONTRACTOR BY 		19C. DATE SIGNED 9-27-90		20B. UNITED STATES OF AMERICA BY 		20C. DATE SIGNED 9/27/90	

9010090070 900927
PDR CONTR
NRC-31-90-268 PDC

STANDARD FORM 28 (REV. 6-85)

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING	PAGE OF PAGES 1 3
2. CONTRACT (Proc. Inst. Ident.) NO. NRC-31-90-268		3. EFFECTIVE DATE September 30, 1990		4. ACQUISITION/PURCHASE REQUEST/PROJECT NO. RS-RG4-90-268	
5. ISSUED BY U.S. Nuclear Regulatory Commission Contract Negotiation Branch No. 1 Washington, DC 20555		6. ADMINISTERED BY (If other than Item 5) U.S. Nuclear Regulatory Commission Contract Administration Branch No. 1 Washington, DC 20555		CODE	
7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, State and ZIP Code) PRIME: U.S. Small Business Administration 1100 Commerce, Room 3C36 Dallas, TX 75242			8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)		
9. DISCOUNT FOR PROMPT PAYMENT NET			10. SUBMIT INVOICES (If codes unless other than specified) TO THE ADDRESS SHOWN IN ITEM 12		
11. SHIP TO/MARK FOR N/A		12. PAYMENT WILL BE MADE BY U.S. Nuclear Regulatory Commission Division of Accounting and Finance, GOV/COM Section Washington, DC 20555		13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)(1) <input checked="" type="checkbox"/> 41 U.S.C. 253(c)(1) 5	
14. ACCOUNTING AND APPROPRIATION DATA APPN: 31X0200.940; B&R: 094-20-67-25-0; FIN: L13720; OBLIGATED: \$88,000.00		15A. ITEM NO. 15B. SUPPLIES/SERVICES 15C. QUANTITY 15D. UNIT 15E. UNIT PRICE 15F. AMOUNT			

The Contractor shall perform data entry and programming support services as described herein under NRC Solicitation No. RG4-90-268, and in accordance with USRobotech Incorporated's technical proposal dated August 16, 1990, and as revised, dated September 6, 1990, both of which are incorporated herein by this reference and made a part of this contract. This Labor Hour type contract is completed to read as follows: (Continued on next page.)

16. TOTAL AMOUNT OF CONTRACT \$172,522.00

16. TABLE OF CONTENTS

W) SEC	DESCRIPTION	PAGE(S)	W) SEC	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE			PART II - CONTRACT CLAUSES		
X	A	SOLICITATION/CONTRACT FORM	X	I	CONTRACT CLAUSES
X	B	SUPPLIES OR SERVICES AND PRICES/COSTS	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.		
X	C	DESCRIPTION/SPECS./WORK STATEMENT	X	J	LIST OF ATTACHMENTS
X	D	PACKAGING AND MARKING	PART IV - REPRESENTATIONS AND INSTRUCTIONS		
X	E	INSPECTION AND ACCEPTANCE	K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
X	F	DELIVERIES OR PERFORMANCE	L	INSTRS. CONDS. AND NOTICES TO OFFERORS	
X	G	CONTRACT ADMINISTRATION DATA	M	EVALUATION FACTORS FOR AWARD	
X	H	SPECIAL CONTRACT REQUIREMENTS			

CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return <u>four</u> copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the Parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (A list of items to be listed herein.)		18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.	
19A. NAME AND TITLE OF SIGNER (Type or print) ELLA L BANKS		20A. NAME OF CONTRACTING OFFICER Elois J. Wiggins, US Nuclear Regulatory Commission	
19B. NAME OF CONTRACTOR BY U.S. Small Business Administration (Signature of person authorized to sign)		20B. UNITED STATES OF AMERICA BY <u>Elois J. Wiggins</u> (Signature of Contracting Officer)	
19C. DATE SIGNED 9/27/90		20C. DATE SIGNED 9/25/90	

SPECIAL 8(a) CONTRACT CONDITIONS (FAR 52.219-11)
(FEB 1990)

The Small Business Administration (SBA) agrees to the following:

(a) To furnish the supplies or services set forth in this contract according to the specifications and the terms and conditions hereof by subcontracting with an eligible concern pursuant to the provisions of section 8(a) of the Small Business Act, as amended (15 U.S.C. 637(a)).

(b) That in the event SBA does not award a subcontract for all or a part of the work hereunder, this contract may be terminated either in whole or in part without cost to either party.

(c) Except for novation agreements and advance payments, delegates to the U. S. Nuclear Regulatory Commission the responsibility for administering the subcontract to be awarded hereunder with complete authority to take any action on behalf of the Government under the terms and conditions of the subcontract; PROVIDED, HOWEVER, that the U. S. Nuclear Regulatory Commission shall give advance notice to the SBA before it issues a final notice terminating the right of a subcontractor to proceed with further performance, either in whole or in part, under the subcontract for default or for the convenience of the Government.

(d) That payments to be made under any subcontract awarded under this contract will be made directly to the subcontractor by the U. S. Nuclear Regulatory Commission.

(e) That the subcontractor awarded a subcontract hereunder shall have the right of appeal from decisions of the Contracting Officer cognizable under the "Disputes" clause of said subcontract.

(f) To notify the U.S. Nuclear Regulatory Commission Contracting Officer immediately upon notification by the subcontractor that the owner or owners upon whom 8(a) eligibility was based plan to relinquish ownership or control of the concern.

(End of clause)

SPECIAL 8(a) SUBCONTRACT CONDITIONS (FAR 52.219-12)
(FEB 1990)

(a) The Small Business Administration (SBA) has entered into Contract No. NRC-31-90-268 with USRobotech, Incorporated to furnish the supplies or services as described therein. A copy of the contract is attached hereto and made a part hereof.

(b) USRobotech, Incorporated, hereafter referred to as the subcontractor, agrees and acknowledges as follows:

(1) That it will, for and on behalf of the SBA, fulfill and perform all of the requirements of Contract No. NRC-31-90-268 for the consideration stated therein and that it has read and is familiar with each and every part of the contract.

(2) That the SBA has delegated responsibility for the administration of this subcontract to the U. S. Nuclear Regulatory Commission with complete authority to take any action on behalf of the Government under the terms and conditions of this subcontract.

(3) That it will not subcontract the performance of any of the requirements of this subcontract to any lower tier subcontractor without the prior written approval of the SBA and the designated Contracting Officer of the U. S. Nuclear Regulatory Commission.

(4) That it will notify the U.S. Nuclear Regulatory Commission Contracting Officer in writing immediately upon entering an agreement (either oral or written) to transfer all or part of its stock or other ownership interest to any other party.

(c) Payments, including any progress payments under this subcontract, will be made directly to the subcontractor by the U. S. Nuclear Regulatory Commission.

(End of clause)

52.219-14 LIMITATIONS ON SUBCONTRACTING

As prescribed in 19.508(e), insert the following clause: LIMITATIONS ON SUBCONTRACTING (OCT 1987)

By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for-

(a) Services (except construction). At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees of the concern.

(b) Supplies (other than procurement from a regular dealer in such supplies). The concern shall perform work for at least 50 percent of the cost of manufacturing the supplies, not including the cost of materials.

(c) General construction. The concern will perform at least 15 percent of the cost of the contract, not including the cost of materials, with its own employees.

(d) Construction by special trade contractors. The concern will perform at least 25 percent of the cost of the contract, not including the cost of materials, with its own employees.

(End of clause)

1. Section B.3, "SERVICES AND PRICES" is deleted in its entirety and the following new Section B.3 is substituted in lieu thereof:

"B.3 SERVICES AND PRICES

The Contractor shall provide services in accordance with Section C of this contract at the rates as set forth below:

LABOR CATEGORY	ESTIMATED HOURS	UNIT	UNIT PRICE	AMOUNT
Computer Technician	4,000*	hours	\$15.62	\$ 62,480.00
Programmer/Computer Technician	4,000*	hours	\$26.55	\$106,200.00
Project Manager	104**	hours	\$36.95	\$ 3,842.00
TOTAL ESTIMATED AMOUNT:				\$172,522.00

*Based on 2,000 workhours per year (excluding 10 Federal Holidays) for one technician for two years.

**Based on 1 workhour per week for one manager for two years.

(END OF CLAUSE)"

2. Section F.3, "DURATION OF CONTRACT PERIOD" is completed as follows:

"This contract shall commence on the effective date and will expire twenty-four months thereafter."

3. Paragraph a. under Section G.1 - PROJECT OFFICER AUTHORITY is completed as follows:

"a. The Contracting Officer's authorized representative hereinafter referred to as the Project Officer for this contract is:

Name: Jayaliam L. Rettig
Address: U.S. Nuclear Regulatory Commission, Region IV
Division of Resource Management and Administration
Parkway Central Plaza Building
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011
Telephone Number: (817-860-8175"

4. Section G.2 - REMITTANCE ADDRESS is deleted in its entirety.

5. Paragraph a. under Section H.1 - KEY PERSONNEL is completed to read as follows:

"a. The following individuals are considered to be essential to the successful performance of the work hereunder:

Project Manager: Roy Thompson
Programmer/Computer Technician: Brenda J. Phillips-Smith
Computer Technician: Christina Flannery

The Contractor agrees that such personnel shall not be removed from the contract work or replaced without compliance with paragraphs b and c hereof."

6. All other terms and conditions remain unchanged.

SOLICITATION, OFFER AND AWARD

Page 1

1. This contract is a rated order under DPAS(15 CFR 350) RATING:

2. CONTRACT NO.	3. SOLICITATION NO. RS-RG4-90-268	4. TYPE OF SOLICITATION () SEALED BID (IFB) (X) NEGOTIATED (RFP)
5. DATE ISSUED August 7, 1990	6. REQUISITION/PURCHASE REC. NO. RG4-90-268	
7. ISSUED BY CODE ATTN: RS-RG4-90-268 U.S. Nuclear Regulatory Commission Div. of Contracts & Property Mgmt. Contract Neg. Branch No. 1; P-1020 Washington, DC 20555	8. ADDRESS OFFER TO Offer must be addressed as shown in Item 7. Hand-carried offers (Including Express Mail and delivery services) must be delivered to the address in Item 9.	

NOTE: In sealed bid solicitations, "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

Sealed offers for furnishing the services or supplies in the schedule are due at 3:30 PM, Washington, DC local time on 08/22/90. Offers sent through the U.S. Mail (including U.S. Postal Service Express Mail Next Day Service - Post Office to Addressee) must be addressed to the place specified in Item 7. All hand-carried offers including those made by private delivery services (e.g. Federal Express and Airborne Express) must be delivered to 1920 Norfolk Avenue, Bethesda, Maryland 20814 and received in the depository located in Room P-1011. NRC is a secure facility with perimeter access-control and NRC personnel are not available to receive hand-carried offers except during normal working hours, 7:30 AM - 4:15 PM, Monday through Friday, excluding federal holidays. Offerors should be aware that many private carriers only make deliveries to the mail room. All offerors should allow extra time for internal mail distribution.

Offerors should clearly identify the RFP number on the outside wrapper. IFB's should have affixed the Optional Form (OF) 13, "Sealed Bid Label," on the outside wrapper.

CAUTION - LATE SUBMISSIONS, MODIFICATIONS AND WITHDRAWALS. SEE SECTION L. PROVISION NO. 52.214-7 or 52.215-10.

All offers are subject to all terms and conditions contained in this solicitation. (See the Provision in Section L, "Proposal Presentation and Format").

10. FOR INFORMATION	A. NAME: CALL: Mrs. Helen Hagey	B. TELEPHONE NO. (Include Area Code) (NO COLLECT CALLS) 301/492-9449
---------------------	--	--

EXCEPTION TO STANDARD FORM 33 (REV. 4-85)

Prescribed by GSA
FAR(48 CFR) 53.214(c)

X SEC	DESCRIPTION	PAGE(S)
11. TABLE OF CONTENTS		
PART I - THE SCHEDULE		
A	SOLICITATION/CONTRACT FORM	
B	SUPPLIES OR SERVICES AND PRICES/COSTS	
C	DESCRIPTION/SPECIFICATIONS/WORK STATEMENT	
D	PACKAGING AND MARKING	
E	INSPECTION AND ACCEPTANCE	
F	DELIVERIES OR PERFORMANCE	
G	CONTRACT ADMINISTRATION DATA	
H	SPECIAL CONTRACT REQUIREMENTS	
PART II - CONTRACT CLAUSES		
I	CONTRACT CLAUSES	
PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS		
J	LIST OF ATTACHMENTS	
PART IV - REPRESENTATIONS AND INSTRUCTIONS		
K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
L	INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS	
M	EVALUATION FACTORS FOR AWARD	

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provision at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within 120 calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)

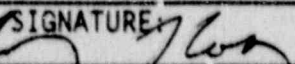
10 CALENDAR DAYS	20 CALENDAR DAYS	30 CALENDAR DAYS	___ CALENDAR DAYS
_____ %	_____ %	_____ %	_____ %

14. ACKNOWLEDGEMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:

AMENDMENT NO.	DATE	AMENDMENT NO.	DATE
---------------	------	---------------	------

15A. NAME AND ADDRESS OF OFFEROR CODE: _____ FACILITY: _____ USRobotech, Incorporated 3608 Falcon Drive Fort Worth, TX 76119-7225 CEC: 178584140	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print) Roy Thompson, President
---	--

15B. TELEPHONE NO. (Include Area Code) (817) 536-1623	15C. CHECK IF REMITTANCE ADDRESS IS () DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE
--	--

17. SIGNATURE: 	18. OFFER DATE: 08/16/90
--	--------------------------

SOLICITATION, OFFER AND AWARD

Page 3

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED: 20. AMOUNT: 21. ACCOUNTING AND APPROPRIATION

22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:

() 10 U.S.C. 2304(c)()

(X) 41 U.S.C. 253(c)(5)

23. SUBMIT INVOICES TO ADDRESS SHOWN IN ITEM

(4 copies unless otherwise specified)

24. ADMINISTERED BY CODE: 25. PAYMENT WILL BE MADE BY CODE:

(If other than Item 7)

U.S. Nuclear Regulatory Commission
Division of Accounting and Finance
GOV/COM Accounting Section
Washington, DC 20555

26. NAME OF CONTRACTING OFFICER (Type or Print) 27. UNITED STATES OF AMERICA 28. AWARD DATE

(Signature of Contracting Officer)

IMPORTANT - Award will be made on this Form or on Standard Form 26,
or by other authorized official written notice.

EXCEPTION TO STANDARD FORM 33 (REV. 4-85)

Prescribed by GSA
FAR(48 CFR) 53.214(c)

TABLE OF CONTENTS

PAGE

SOLICITATION, OFFER AND AWARD.	1
TABLE OF CONTENTS.	4
PART I - THE SCHEDULE.	8
SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS	8
B.1 PROJECT TITLE	8
B.2 BRIEF DESCRIPTION OF WORK (MAR 1987).	8
B.3 SERVICES AND PRICES	8
SECTION C - DESCRIPTION/SPECIFICATION.	9
/WORK STATEMENT	
C.1 INTRODUCTION.	9
C.2 CONTRACT OBJECTIVE.	9
C.3 STATEMENT OF WORK	9
C.4 DELINEATION OF TASKS/DELIVERABLE END ITEMS.	10
C.5 EQUIPMENT	12
C.6 SOFTWARE.	12
C.7 FACILITIES.	14
C.8 PERSONNEL QUALIFICATIONS.	14
C.9 TRAINING.	15
C.10 BADGING REQUIREMENTS.	15
SECTION D - PACKAGING AND MARKING.	17
D.1 PACKAGING AND MARKING	17
SECTION E - INSPECTION AND ACCEPTANCE.	18
E.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE	18
SECTION F - DELIVERIES OR PERFORMANCE.	19
F.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE	19
F.2 DURATION OF CONTRACT PERIOD (MAR 1987).	19
SECTION G - CONTRACT ADMINISTRATION DATA	20
G.1 PROJECT OFFICER AUTHORITY (JUNE 1988)	20
G.2 REMITTANCE ADDRESS (MAR 1987)	22
SECTION H - SPECIAL CONTRACT REQUIREMENTS.	23
H.1 KEY PERSONNEL (JUNE 1988)	23
H.2 SAFETY, HEALTH, AND FIRE PROTECTION (MAR 1987).	24
H.3 PRIVATE USE OF CONTRACT INFORMATION AND DATA (JUNE 1988).	24
H.4 CONTRACTOR ORGANIZATIONAL CONFLICTS OF INTEREST	24
H.5 DETERMINATION OF MINIMUM WAGES AND FRINGE BENEFITS.	26
(NOV 1989)	
PART II - CONTRACT CLAUSES.	27
SECTION I - CONTRACT CLAUSES	27
I.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE	27
I.2 LIMITATIONS ON SUBCONTRACTING	28
(FAR 52.219-14) (OCT 1987)	
I.3 SERVICE CONTRACT ACT OF 1965, AS AMENDED.	29
(FAR 52.222-41) (MAY 1989)	

TABLE OF CONTENTS

PAGE

I.4	STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (FAR 52.222-42) (MAY 1989)	37
I.5	DRUG-FREE WORKPLACE (FAR 52.223-6) (JUL 1990)	37
I.6	PROMPT PAYMENT (FAR 52.232-25) (APR 1989)	39
I.7	ELECTRONIC FUNDS TRANSFER PAYMENT METHODS (FAR 52.232-28) (APR 1989)	44
I.8	CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (JUN 1988)	45
I.9	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS--(FAR 52.203-12) (JAN 1990)	45
I.10	SPECIAL 8(a) CONTRACT CONDITIONS (FAR 52.219-11)	51
I.11	SPECIAL 8(a) SUBCONTRACT CONDITIONS (FAR 52.219-12)	51
I.12	SECTION 8(A) AWARD (FAR 52.219-17) (FEB 1990)	52
I.13	NOTIFICATION OF COMPETITION LIMITED TO ELIGIBLE 8(A)	53
PART III	- LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS	54
SECTION J	- LIST OF ATTACHMENTS	55
J.1	ATTACHMENTS (MAR 1987)	55
PART IV	- REPRESENTATIONS AND INSTRUCTIONS	56
SECTION K	- REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	56
K.1	CONTINGENT FEE REPRESENTATION AND AGREEMENT (FAR 52.203-4) (APR 1984)	56
K.2	TAXPAYER IDENTIFICATION (FAR 52.204-3) (SEP 1989)	56
K.3	CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (FAR 52.209-5) (MAY 1989)	58
K.4	TYPE OF BUSINESS ORGANIZATION (FAR 52.215-6) (JUL 1987)	59
K.5	AUTHORIZED NEGOTIATORS (FAR 52.215-11) (APR 1984)	59
K.6	SMALL BUSINESS CONCERN REPRESENTATION (FAR 52.219-1) (FEB 1990)	59
K.7	SMALL DISADVANTAGED BUSINESS CONCERN REPRESENTATION (FAR 52.219-2) (FEB 1990)	60
K.8	WOMEN-OWNED SMALL BUSINESS REPRESENTATION (FAR 52.219-3) (APR 1984)	61
K.9	PREFERENCE FOR LABOR SURPLUS AREA CONCERNS (FAR 52.220-1) (APR 1984)	62
K.10	CERTIFICATION OF NONSEGREGATED FACILITIES (FAR 52.222-21) (APR 1984)	62
K.11	PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FAR 52.222-22) (APR 1984)	63
K.12	AFFIRMATIVE ACTION COMPLIANCE (FAR 52.222-25) (APR 1984)	63
K.13	CLEAN AIR AND WATER CERTIFICATION (FAR 52.223-1) (APR 1984)	64
K.14	CERTIFICATION REGARDING A DRUG-FREE WORKPLACE (FAR 52.223-5) (JUL 1990)	64
K.15	NOTICE OF RESTRICTIONS ON CONTRACTING WITH SANCTIONED PERSONS (FAR 52.225-12) (MAY 1989)	66
K.16	CONTRACTOR ORGANIZATIONAL CONFLICTS OF INTEREST REPRESENTATION	67

TABLE OF CONTENTS

PAGE

K.17	CERTIFICATION REGARDING DEBARMENT STATUS (JUNE 1988)	68
K.18	QUALIFICATIONS OF CONTRACT EMPLOYEES (JUNE 1988)	68
K.19	CURRENT/FORMER AGENCY EMPLOYEE INVOLVEMENT (JUNE 1988)	68
K.20	CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (FAR 52.203-11) (JAN 1990)	68
SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES		70
	TO OFFERORS	
L.1	NOTICE LISTING SOLICITATION PROVISIONS INCORPORATED BY REFERENCE	70
L.2	CONTRACTOR ESTABLISHMENT CODE (FAR 52.204-4) (AUG 1989)	70
L.3	TYPE OF CONTRACT (FAR 52.216-1) (APR 1984)	71
L.4	SERVICE OF PROTEST (FAR 52.233-2) (NOV 1988)	71
L.5	SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FAR 52.252-1) (JUN 1988)	71
L.6	LEVEL OF EFFORT (JUNE 1988)	72
L.7	ESTIMATED DURATION (JUNE 1988)	72
L.8	ACCEPTANCE PERIOD (MAR 1987)	72
L.9	SMALL BUSINESS SIZE STANDARD AND PRODUCT CLASSIFICATION (MAR 1987) ALTERNATE I (MAR 1987)	72
L.10	PROPOSAL PRESENTATION AND FORMAT	72
L.11	OFFEROR QUALIFICATIONS AND PAST EXPERIENCES	74
L.12	NONDISCRIMINATION BECAUSE OF AGE (FAR 22.901) (MAR 1987)	75
L.13	TIMELY RECEIPT OF PROPOSALS/BIDS (JUNE 1988)	75
SECTION M - EVALUATION FACTORS FOR AWARD		77
M.1	NOTICE LISTING SOLICITATION PROVISIONS INCORPORATED BY REFERENCE	77

OFFERORS/BIDDERS PLEASE NOTE:

An (*) means the information is to be incorporated into any resultant contract.

PART I - THE SCHEDULESECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 PROJECT TITLE

The title of this project is as follows:

"Data Entry and Programming Support Services"

(End of Clause)

B.2 BRIEF DESCRIPTION OF WORK (MAR 1987)

Perform data entry, programming, and data reporting services in the NRC Region IV office, Arlington, Texas.

(End of Clause)

B.3 SERVICES AND PRICES

The Contractor shall provide services in accordance with Section C of this contract at the rates as set forth below:

<u>LABOR CATEGORY</u>	<u>ESTIMATED HOURS</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
Computer Technician	4,000*	hours	\$ <u>15.91</u>	\$ <u>63,640.00</u>
Programmer/Computer Technician	4,000*	hours	\$ <u>27.04</u>	\$ <u>108,160.00</u>
Project Manager	104**	hours	\$ <u>37.63</u>	\$ <u>3,914.00</u>

*Based on 2,000 workhours per year (excluding 10 Federal Holidays) for one technician for two years.

**Based on 1 workhour per week for one manager for two years.

(END OF CLAUSE)

SECTION C - DESCRIPTION/SPECIFICATION
/WORK STATEMENT

C.1 INTRODUCTION

The United States Nuclear Regulatory Commission (NRC) is responsible for the protection of the public health and safety in the use of nuclear power and nuclear materials. In the performance of its duties, the NRC utilizes a wide variety of automatic data processing encompassing numerous applications, including scientific, administrative, and management information systems. The NRC is striving for a sophisticated telecommunications network, which links all of its ADP capabilities, and for an environment which strongly supports distributed processing, such as the use of software packages and the use of office automation.

C.2 CONTRACT OBJECTIVE

Provide data entry, programming, and data reporting services in the NRC Region IV office located in Arlington, Texas.

C.3 STATEMENT OF WORK

The contractor shall provide the necessary personnel to fulfill the requirements of this Statement of Work. The NRC will provide to the contractor computer time and use of equipment and facilities located at the NRC Region IV office in Arlington, Texas. Description of NRC's equipment and facilities are detailed below in this Section C.

The work to be performed under this contract involves data entry, editing, and reporting activities relating to various systems for which the NRC Region IV office is operationally responsible. The data entry, programming, and editing activities are detailed in below as Tasks 2 through 6 and are further described under Attachment 5, "Instructions/Procedures for Data Entry Requirements" (refer to Section J - Attachments). Attachment 5 includes all instructions and references contained in the Statement of Work.

Performance under this contract shall require the services of a full-time computer technician (CT) and a full-time programmer/computer technician (PCT) for 8 hours per day during the hours of 8:00 a.m. to 4:45 p.m. with 45 unpaid minutes for a lunch break. Any changes to the hours of work shall be approved by the NRC Project Officer. The services of a part time project manager for approximately one hour per week will also be required. The hour of work for the Project Manager shall be mutually agreed upon by both the Contractor and the NRC Project

Officer. The Contractor shall assure that backup personnel be available at all times to assure continuity of service.

Refer to Section G - Project Officer Authority, regarding the responsibilities of the NRC Project Officer. The NRC Project Officer may delegate the technical direction responsibility to a NRC MIS Coordinator. The NRC MIS Coordinator's technical direction responsibility shall be the same as that for the NRC Project Officer.

The CT or PCT shall key data into computer acceptable media, run edits, perform analysis of data error messages, and identify the actual cause of any problem encountered in the data. All errors encountered with the data are to be resolved through coordination with the MIS Coordinator or the NRC Project Officer. In addition, the PCT shall modify source code to produce required ad hoc reports.

C.4 DELINEATION OF TASKS/DELIVERABLE END ITEMS

TASK 1: GENERAL MAINTENANCE OF INPUT TERMINAL AND PRINTER

The input terminal and printer shall be kept operational on a daily basis.

1. Perform printer preventative maintenance procedures and update Printer Log (provided by NRC) at start of work day. Record printer errors encountered in the Printer Log.
2. Extract reports, separate between job numbers, and place in appropriate locations.
3. Add printer paper as needed. Replace printer supplies as necessary, and update Printer Log. Notify NRC MIS Coordinator when supplies are low.
4. Keep Time Logs (provided by NRC) on each computer session showing logon/logoff times. Submit Time Logs to MIS Coordinator on first day of each month.

TASK 2: REGULATORY INFORMATION TRACKING SYSTEM (RITS) PROCESSING

Operation of the RITS system will include data entry functions with regard to the weekly processing of the system, as well as the generation of the weekly audit. The estimated volume of work is 160 forms per week.

The CT/PCT shall follow the instructions below and have all reports generated by 2:45 p.m. on each Wednesday.

1. Process Data Entry and verify all data elements on a weekly basis.
2. Perform Edits on biweekly data.

3. Maintain the Region IV Staff File and Tables.
4. Run weekly Staff Checkoff Reports.

TASK 3: STATISTICAL DATA REPORTING (766)

On a weekly basis, review NRC Forms 766A and 766 for completeness and errors, perform data entry and pre-edit processing, proofread, edit, and make necessary corrections for 766 master file. Data shall be ready for NRC Headquarters to enter onto master file before 7 work days have passed. The estimated volume of "766" data entry is 19 forms per week including modifications and deletions.

1. On a daily basis, perform functions as specified in Attachment 5 on all incoming source documents (NRC Forms 766 and 766A) received that morning.
2. Correct obvious errors or missing items when the proper information can be determined from the instructions in Attachment 5. Contact the MIS Coordinator to resolve questions and to obtain the necessary input elements to be coded.
3. Perform the data entry in accordance with Attachment 5. Information is entered into the computer through on-line remote terminals.
4. Execute the 766 edit program according to Attachment 5. Review computer printouts, job control language, and operating system error messages to assure successful completion. Correct input errors as identified by edit program or as observed by editing the output reports. For errors which cannot be corrected, return edit report and input list to MIS Coordinator for resolution.
5. After the master file has been updated, execute the Feedback Audit Run. Place audits from resident inspections in proper envelopes and give to MIS Coordinator.

TASK 4: GRAY BOOK

The Gray Book is used to provide information regarding NRC Operating Plants. The Gray Book is updated monthly. Responsibilities include preparing the information and updating the computer data set to provide regional information for publication. The estimated volume of Gray Book data entry is approximately 1400 lines.

1. By the tenth day of each month, all source documents (marked up previous month's printouts) shall be entered and verified.

2. Entries shall be listed off after input and proofread. Corrections shall be made until data is accurate.
3. Final listoff of data shall be given to MIS Coordinator. Marked-up copy to be placed in file.
4. Make two types of listings: (a) In-office, and (b) Site.

TASK 5: PROGRAMMING

Ad hoc report generation as required using Mark IV, DB2, SQL, and COBOL. Written documentation of developed programs/systems is required.

TASK 6: MISCELLANEOUS

1. Validate time frames of routine monthly reports as extracted from the printer.
2. Maintain MIS Coordinator manuals.
3. Update Licensing Tracking System (LTS) inspection data on a weekly basis. Estimated volume of data entry is approximately 25 lines.
4. File all documents related to specific tasks as defined in this Statement of Work.

C.5 EQUIPMENT

The NRC does not own a mainframe computer to perform large-scale data processing operations, and depends primarily on buying computer time (timesharing) from DOE National Laboratories, the National Institutes of Health (NIH) DCRT Federal Data Processing Center, and commercial sources. NRC's ADP equipment to support timesharing consists of remote job entry stations, data terminals, microcomputers, and associated telecommunications equipment needed for data transfer and communication with the facility at which the computer is located.

The telecommunication equipment needed to accommodate this remote computer usage consists of multiplexors and modems of various types. Leased telephone circuits are used to connect the regional offices with the Bethesda, Maryland, offices and the NIH computer center.

C.6 SOFTWARE

Software (computer programs) are categorized as follows:

CATEGORY 1: Proprietary software used to aide in applications--

development as supplied by the hardware or independent vendor. Such software is used where applicable to significantly cut development and maintenance costs and to help non-ADP personnel use the computer as an information tool.

This Category 1 proprietary software is either purchased or leased from specific vendors and is often termed "packaged software." It is designed to perform either specific or general functions.

General use packages include processes such as complex data base use, generation of graphs, report generation, and statistical analysis. The NRC currently maintains the following packages of this type:

- IDMS/R - Complex data base manipulation and inquiry
- System 2000 - Complex data base manipulation and inquiry
- Mark IV - General file maintenance and report generation
- DB2 - Complex data base manipulation and inquiry

Other general purpose package software to which the NRC has access are:

- SPSS - Statistics
- SAS - Statistics
- WYLBUR - Text editing, word processing
- IBM user application utilities (sort/merge, etc.)

CATEGORY 2: Proprietary software supplied by the hardware vendor-related to computer systems operations.

This Category 2 proprietary software includes computer operating systems and related support utilities that are not accessible/changeable by the applications programmer. In the IBM environment at NIH, the operating system is termed MVS/JES2. Support utilities include those supplied by IBM for disk pack maintenance and similar housekeeping tasks. Other software falling within this category includes language compilers (BASIC, COBOL, FORTRAN), file and data management software (VSAM) and communications handles (TSO and WYLBUR).

CATEGORY 3: User-developed software using higher-level languages and proprietary package interfaces. Such software is developed to satisfy specific user requirements in business and scientific applications.

This Category 3 user designed and developed software is the most used within the Commission. Software of this type emanates from detailed specifications designed for a specific purpose within a given system (i.e., a daily report of personnel actions). Programs of this type are usually written in high-level compiler

languages such as COBOL, FORTRAN, or PL/1. However, proprietary software interfaces can be used with higher level languages for data base access.

C.7 FACILITIES

NRC supports ADP activities at five regional offices and six Headquarters buildings. This distributed ADP environment requires the placement of equipment at all locations. Some locations need only data terminals and, therefore, require no special facilities; others house minicomputers and remote job entry stations which require special facilities such as power supplies, humidity and temperature controls, raised flooring, access controls, and storage space. Remote job entry stations are located in each of the five regional offices.

Locations having access to NRC systems are:

- . NRC Headquarters, Washington, D.C 20555
- . NRC Region I, King of Prussia, Pennsylvania 19406
- . NRC Region II, Atlanta, Georgia 30302
- . NRC Region III Glen Ellyn, Illinois 60137
- . NRC Region IV, Arlington, Texas 76011
- . NRC Region V, Walnut Creek, California 94596
- . NRC Uranium Recovery Field Office, Golden, Colorado 80401

C.8 PERSONNEL QUALIFICATIONS

The following three types of personnel will be required to support the tasks as delineated in this Statement of Work and shall have the following qualifications:

Category	Minimum Qualifications
Computer Technician	Approximately 1 year or more experience performing keying of source code into computer acceptable media. Experience must include use of hardware/software utilizing text edit functions for adding, modifying, and/or deleting data groups. Ability to analyze error messages and take appropriate actions necessary to rectify data entry inaccuracies.
Programmer/Computer Technician	The qualifications specified above for the Computer Technician are required. In addition, a college degree or

equivalent plus approximately 1 year or more of progressive experience in data processing. Experience should include systems analysis and design, testing and systems installation, and programming in DB2 SQL plus Mark IV or COBOL (the proposed PCT must complete Sterling Software's Mark IV training courses within 6 months of acceptance of this contract).

Project Manager

College degree or equivalent plus approximately 5 years or more progressive experience in data processing. Experience should include systems analysis and design, programming, testing and systems installation, plus at least 2 years recent experience in managing projects involving systems operation activities. Must have detailed knowledge of project management responsibilities.

C.9 TRAINING

The NRC will conduct an orientation training session for the contractor's key personnel to be held at the NRC Region IV office. This session is expected to take approximately 12 hours and shall be conducted during normal work day hours, which will be scheduled by the MIS coordinator after the contract execution date. The training session will include as a minimum, NIH online systems logon, collect, modify, save, procedures, and specific instructions regarding the six tasks delineated under this Statement of Work.

C.10 BADGING REQUIREMENTS

During the life of this contract, the rights of ingress and egress for contractor personnel shall be made available as required. In this regard, all Contractor personnel whose duties under this contract require their presence on-NRC-site shall be clearly

identifiable by a distinctive badge furnished by the Government. The NRC Project Officer will assist the Contractor personnel in obtaining the badge. Contractor personnel shall obtain an NRC identification badge on a daily basis for access to the NRC regional office in Arlington, Texas. It is the sole responsibility of the Contractor to insure that each employee performing work under this contract has proper identification in their possession at all times during on-NRC-site performance under this contract. It is the Contractor's duty to assure the safeguarding of any Government records or data that Contractor personnel may come into contact with.

(End of Clause)

SECTION D - PACKAGING AND MARKING

D.1 PACKAGING AND MARKING

The Contractor shall package material for shipment to the NRC in such a manner that will ensure acceptance by common carrier and safe delivery at destination. Containers and closures shall comply with the Interstate Commerce Commission Regulations, Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation. On the front of the package, the Contractor shall clearly identify the contract number under which the product is being provided.

(End of Clause)

SECTION E - INSPECTION AND ACCEPTANCE

E.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.246-	JAN 1986	INSPECTION -- TIME-AND-MATERIAL AND LABOR-HOUR

SECTION F - DELIVERIES OR PERFORMANCE

F.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference:

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.212-13	AUG 1989	STOP-WORK ORDER

F.2 DURATION OF CONTRACT PERIOD (MAR 1987)

This contract shall commence on ___*___ and will expire on ___*___.

(End of Clause)

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 PROJECT OFFICER AUTHORITY (JUNE 1988)

a. The Contracting Officer's authorized representative hereinafter referred to as the Project Officer for this contract is:

Name: ___ * ___

Address: ___ * ___

 ___ * ___

 ___ * ___

 ___ * ___

 ___ * ___

 ___ * ___

Telephone Number: ___ * ___

b. Performance of the work under this contract shall be subject to the technical direction of the NRC Project Officer. The term "Technical Direction" is defined to include the following:

- 1) Technical direction to the Contractor which shifts work emphasis between areas of work or tasks, fills in details or otherwise serves to accomplish the contractual statement of work.
- 2) Provide advice and guidance to the Contractor 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 Contractor to the Government under the contract.

c. Technical direction must be within the general statement of work stated in the contract. The Project Officer does not have the authority to and may not issue any technical direction which:

- 1) Constitutes an assignment of additional work outside the general scope of the contract.
- 2) Constitutes a change as defined in the "Changes" clause of this contract.
- 3) In any way causes an increase or decrease in the total estimated contract cost, the fixed fee, if any, or the time required for contract performance.
- 4) Changes any of the expressed terms, conditions or

specifications of the contract.

5) Terminates the contract, settles any claim or dispute arising under the contract, or issues any unilateral directive whatever.

d. All technical directions shall be issued in writing by the Project Officer or shall be confirmed by such person in writing within ten (10) working days after verbal issuance. A copy of said written direction shall be furnished to the Contracting Officer.

e. The Contractor shall proceed promptly with the performance of technical directions duly issued by the Project Officer in the manner prescribed by this clause and within such person's authority under the provisions of this clause.

f. If, in the opinion of the Contractor, any instruction or direction issued by the Project Officer is within one of the categories as defined in c above, the Contractor shall not proceed but shall notify the Contracting Officer in writing within five (5) working days after the receipt of any such instruction or direction and shall request the Contracting Officer to modify the contract accordingly. Upon receiving such notification from the Contractor, the Contracting Officer shall issue an appropriate contract modification or advise the Contractor in writing that, in the Contracting Officer's opinion, the technical direction is within the scope of this article and does not constitute a change under the Changes Clause.

g. Any unauthorized commitment or direction issued by the Project Officer may result in an unnecessary delay in the Contractor's performance and may even result in the Contractor expending funds for unallowable costs under the contract.

h. A failure of the parties to agree upon the nature of the instruction or direction or upon the contract action to be taken with respect thereto shall be subject to 52.233-1 - Disputes.

i. In addition to providing technical direction as defined above, the Project Officer is responsible for:

1) Monitoring the Contractor's technical progress, including surveillance and assessment of performance, and recommending to the Contracting Officer changes in requirements.

2) Assisting the Contractor in the resolution of technical problems encountered during performance.

3) Reviewing all costs requested for reimbursement by the Contractor and submitting to the Contracting Officer recommendations for approval, disapproval, or suspension of payment for supplies and services required under this contract.

(End of Clause)

G.2 REMITTANCE ADDRESS (MAR 1987)

If item 15C. of the Standard Form 33 has been checked, enter the remittance address below.

Name: _____

Address: _____

(End of Clause)

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 KEY PERSONNEL (JUNE 1988)

a. The following individuals are considered to be essential to the successful performance of the work hereunder.

_____*_____
_____*_____
_____*_____
_____*_____
_____*_____
_____*_____

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 exceeding 30 work days, or is expected to devote substantially less effort to the work than indicated in the proposal or initially anticipated, the Contractor shall immediately notify the Contracting Officer and shall, subject to the concurrence of the Contracting Officer, 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 Contracting Officer to approve or disapprove the proposed substitution. The Contracting Officer will evaluate such requests and promptly notify the Contractor of his/her approval or disapproval thereof in writing.

d. If the Contracting Officer determines that:

1) 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

2) That the resultant reduction of effort would be so substantial as to impair the successful completion of the contract, the contract may be terminated by the Contracting Officer for default or for the convenience of the Government, as appropriate. If the Contracting Officer 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.

(End of Clause)

H.2 SAFETY, HEALTH, AND FIRE PROTECTION (MAR 1987)

The Contractor shall take all reasonable precautions in the performance of the work under this contract to protect the health and safety of employees and of members of the public and to minimize danger from all hazards to life and property and shall comply with all applicable health, safety, and fire protection regulations and requirements (including reporting requirements) of the Commission and the Department of Labor. In the event that the Contractor fails to comply with these regulations or requirements, the Contracting Officer, may, without prejudice to any other legal or contractual rights of the Commission, issue an order stopping all or any part of the work; thereafter, a start order for resumption of work may be issued at the discretion of the Contracting Officer. The Contractor shall make no claim for an extension of time or for compensation or damages by reason of or in connection with such work stoppage.

(End of Clause)

H.3 PRIVATE USE OF CONTRACT INFORMATION AND DATA (JUNE 1988)

Except as specifically authorized by this contract, or as otherwise approved by the Contracting Officer, information and other data developed or acquired by or furnished to the Contractor in the performance of this contract shall be used only in connection with the work under this contract.

(End of Clause)

H.4 CONTRACTOR ORGANIZATIONAL CONFLICTS OF INTEREST

(a) Purpose. The primary purpose of this clause is to aid in ensuring that the contractor: (1) is not placed in a conflicting role because of current or planned interests (financial, contractual, organizational, or otherwise) which relate to the work under this contract, and (2) does not obtain an unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) Scope. The restrictions described apply to performance or participation by the contractor as defined in 41 CFR §20-1.5402(f) in the activities covered by this clause.

(c) Work for others. Notwithstanding any other provision of this contract, during the term of this contract, the contractor agrees to forego entering into consulting or other contractual arrangements with any firm or organization, the result of which may give rise to a conflict of interest with respect to the work being performed under this contract. The contractor shall ensure that all employees under this contract abide by the provision of this clause. If the contractor has reason to believe with respect to itself or any employee that any proposed consultant or other

contractual arrangement with any firm or organization may involve a potential conflict of interest the contractor shall obtain the written approval of the contracting officer prior to execution of such contractual arrangement.

(d) Disclosure after award.

(1) The contractor warrants that to the best of its knowledge and belief, and except as otherwise set forth in this contract, it does not have any organizational conflicts of interest as defined in 41 CFR §20-1.5402(a).

(2) The contractor agrees that, if after award, it discovers organizational conflicts of interest with respect to this contract, it shall make an immediate and full disclosure in writing to the contracting officer. This statement must include a description of the action which the contractor has taken or proposes to take to avoid or mitigate such conflicts. The NRC may, however, terminate the contract if termination is in the best interest of the Government.

(e) Access to and use of information.

(1) If the contractor in the performance of this contract obtains access to information, such as NRC plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (Pub. L. 93-579), or data which has not been released to the public, the contractor agrees not to:

(i) Use this information for any private purpose until the information has been released to the public;

(ii) Compete for work for the Commission based on the information for a period of six months after either the completion of this contract or the release of the information to the public, whichever is first;

(iii) Submit an unsolicited proposal to the Government based on the information until one year after the release of the information to the public, or

(iv) Release the information without prior written approval by the contracting officer unless the information has previously been released to the public by the NRC.

(2) In addition, the contractor agrees that, to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (Pub. L. 93-579), or other confidential or privileged technical, business, or financial information under this contract, the contractor shall treat the information in accordance with restrictions placed on use of the information.

(3) The contractor shall have, subject to patent and security provisions of this contract, the right to use technical data it produces under this contract for private purposes provided that all requirements of this contract have been met.

(f) Subcontracts. Except as provided in 41 CFR §20-1.5402(h), the contractor shall include this clause, including this paragraph, in subcontracts of any tier. The terms "contract," "contractor," and "contracting officer," must be appropriately modified to preserve the Government's rights.

(g) Remedies. For breach of any of the above restrictions, or for intentional nondisclosure or misrepresentation of any relevant interest required to be disclosed concerning this contract or for such erroneous representations that necessarily imply bad faith, the Government may terminate the contract for default, disqualify the contractor from subsequent contractual efforts, and pursue other remedies permitted by law or this contract.

(h) Waiver. A request for waiver under this clause must be directed in writing through the contracting officer to the Executive Director for Operations (EDO) in accordance with the procedures outlined in 41 CFR §20-1.5411.

(End of Clause)

H.5 DETERMINATION OF MINIMUM WAGES AND FRINGE BENEFITS (NOV 1989)

Each employee of the Contractor or any subcontractor performing services under this contract shall be paid at least the minimum allowable monetary wage and fringe benefits prescribed under the U.S. Department of Labor Wage Determination Number which is attached (See Section J for List of Attachments).

(End of Clause)

PART II - CONTRACT CLAUSES

SECTION I - CONTRACT CLAUSES

I.1 NOTICE LISTING CONTRACT CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference.

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

NUMBER	DATE	TITLE
52.202-1	APR 1984	DEFINITIONS
52.203-1	APR 1984	OFFICIALS NOT TO BENEFIT
52.203-3	APR 1984	GRATUITIES
52.203-5	APR 1984	COVENANT AGAINST CONTINGENT FEES
52.203-6	JUL 1985	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT
52.203-7	OCT 1988	ANTI-KICKBACK PROCEDURES
52.209-6	MAY 1989	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
52.215-1	APR 1984	EXAMINATION OF RECORDS BY COMPTROLLER GENERAL
52.215-2	DEC 1989	AUDIT -- NEGOTIATION
52-215-22	APR 1988	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA
52.215-24	APR 1985	SUBCONTRACTOR COST OR PRICING DATA
52.215-33	JAN 1986	ORDER OF PRECEDENCE
52.219-8	FEB 1990	UTILIZATION OF SMALL BUSINESS CONCERNS AND SMALL DISADVANTAGED BUSINESS CONCERNS
52.219-13	AUG 1986	UTILIZATION OF WOMEN- OWNED SMALL BUSINESSES
52.220-3	APR 1984	UTILIZATION OF LABOR SURPLUS AREA CONCERNS
52.222-3	APR 1984	CONVICT LABOR
52.222-26	APR 1984	EQUAL OPPORTUNITY
52.222-35	APR 1984	AFFIRMATIVE ACTION FOR SPECIAL DISABLED AND VIETNAM ERA VETERANS
52.222-36	APR 1984	AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS
52.222-37	JAN 1988	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS AND VETERANS

		OF THE VIETNAM ERA
52.223-2	APR 1984	CLEAN AIR AND WATER
52.225-13	MAY 1989	RESTRICTIONS ON CONTRACTING WITH SANCTIONED PERSONS
52.227-1	APR 1984	AUTHORIZATION AND CONSENT
52.227-2	APR 1984	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT
52.227-3	APR 1984	PATENT INDEMNITY
52.232-7	APR 1984	PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS ALTERNATE II (JAN 1986)
52.232-23	JAN 1986	ASSIGNMENT OF CLAIMS
52.233-1	APR 1984	DISPUTES ALTERNATE I (APR 1984)
52.233-3	AUG 1989	PROTEST AFTER AWARD
52.237-2	APR 1984	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION
52.237-3	APR 1984	CONTINUITY OF SERVICES
52.243-3	AUG 1987	CHANGES -- TIME-AND-MATERIALS OR LABOR HOURS
52.244-3	APR 1985	SUBCONTRACTS (TIME- AND-MATERIALS AND LABOR- HOUR CONTRACTS)
52.245-1	APR 1984	PROPERTY RECORDS
52.245-19	APR 1984	GOVERNMENT PROPERTY FURNISHED "AS IS"
52.246-25	APR 1984	LIMITATION OF LIABILITY -- SERVICES
52.249-6	MAY 1984	TERMINATION (COST-REIMBURSEMENT) ALTERNATE V (APR 1984)
52.249-14	APR 1984	EXCUSABLE DELAYS
52.245-5	JAN 1986	GOVERNMENT PROPERTY (COST- REIMBURSEMENT, TIME-AND-MATERIAL OR LABOR-HOUR CONTRACTS)

I.2 LIMITATIONS ON SUBCONTRACTING (FAR 52.219-14) (OCT 1987)

By submission of an offer and execution of a contract, the Offeror/Contractor agrees that in performance of the contract in the case of a contract for--

(a) SERVICES (EXCEPT CONSTRUCTION). At least 50 percent of the cost of contract performance incurred for personnel shall be expended for employees of the concern.

(b) SUPPLIES (OTHER THAN PROCUREMENT FROM A REGULAR DEALER IN SUCH SUPPLIES). The concern shall perform work for at least 50 percent of the cost of manufacturing the supplies, not including the cost of materials.

(c) GENERAL CONSTRUCTION. The concern will perform at least 15 percent of the cost of the contract, not including the cost of materials, with its own employees.

(d) CONSTRUCTION BY SPECIAL TRADE CONTRACTORS. The concern will perform at least 25 percent of the cost of the contract, not including the cost of materials, with its own employees.

(End of Clause)

I.3 SERVICE CONTRACT ACT OF 1965, AS AMENDED
(FAR 52.222-41) (MAY 1989)

(a) Definitions. "Act," as used in this clause, means the Service Contract Act of 1965, as amended (41 U.S.C. 351, et seq.).

"Contractor," as used in this clause or in any subcontract, shall be deemed to refer to the subcontractor, except in the term "Government Prime Contractor."

"Service employee," as used in this clause, means any person engaged in the performance of this contract other than any person employed in a bona fide executive, administrative, or professional capacity, as these terms are defined in Part 541 of Title 29, Code of Federal Regulations, as revised. It includes all such persons regardless of any contractual relationship that may be alleged to exist between a Contractor or subcontractor and such persons.

(b) Applicability. This contract is subject to the following provisions and to all other applicable provisions of the Act and regulations of the Secretary of Labor (29 CFR Part 4). This clause does not apply to contracts or subcontracts administratively exempted by the Secretary of Labor or exempted by 41 U.S.C. 356, as interpreted in Subpart C of 29 CFR Part 4.

(c) Compensation. (1) Each service employee employed in the performance of this contract by the Contractor or any subcontractor shall be paid not less than the minimum monetary wages and shall be furnished fringe benefits in accordance with the wages and fringe benefits determined by the Secretary of Labor, or authorized representative, as specified in any wage determination attached to this contract.

(2)(i) If a wage determination is attached to this contract, the Contractor shall classify any class of service employee which is not listed therein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination) so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed class of employees shall be paid the monetary wages and furnished the fringe benefits as are determined pursuant to the procedures in this paragraph (c).

(ii) This conforming procedure shall be initiated by the Contractor prior to the performance of contract work by the unlisted class of employee. The Contractor shall submit Standard Form (SF)

1444, Request for Authorization of Additional Classification and Rate, to the Contracting Officer no later than 30 days after the unlisted class of employee performs any contract work. The Contracting Officer shall review the proposed classification and rate and promptly submit the completed SF 1444 (which must include information regarding the agreement or disagreement of the employees' authorized representatives or the employees themselves together with the agency recommendation), and all pertinent information to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor. The Wage and Hour Division will approve, modify, or disapprove the action or render a final determination in the event of disagreement within 30 days of receipt or will notify the Contracting Officer within 30 days of receipt that additional time is necessary.

(iii) The final determination of the contractor by the Wage and Hour Division shall be transmitted to the Contracting Officer who shall promptly notify the Contractor of the action taken. Each affected employee shall be furnished by the Contractor with a written copy of such determination or it shall be posted as a part of the wage determination.

(iv)(A) The process of establishing wage and fringe benefit rates that bear a reasonable relationship to those listed in a wage determination cannot be reduced to any single formula. The approach used may vary from wage determination to wage determination depending on the circumstances. Standard wage and salary administration practices which rank various job classifications by pay grade pursuant to point schemes or other job factors may, for example, be relied upon. Guidance may also be obtained from the way different jobs are rated under Federal pay systems (Federal Wage Board Pay System and the General Schedule) or from other wage determinations issued in the same locality. Basic to the establishment of any conformable wage rate(s) is the concept that a pay relationship should be maintained between job classifications based on the skill required and the duties performed.

(B) In the case of a contract modification, an exercise of an option, or extension of an existing contract, or in any other case where a Contractor succeeds a contract under which the classification in question was previously conformed pursuant to paragraph (c) of this clause, a new conformed wage rate and fringe benefits may be assigned to the conformed classification by indexing (i.e., adjusting) the previous conformed rate and fringe benefits by an amount equal to the average (mean) percentage increase (or decrease, where appropriate) between the wages and fringe benefits specified for all classifications to be used on the contract which are listed in the current wage determination, and those specified for the corresponding classifications in the previously applicable wage determination. Where conforming actions are accomplished in accordance with this paragraph prior to the performance of contract work by the unlisted class of employees, the Contractor shall advise the Contracting Officer of the action taken but the other procedures in subdivision (c)(2)(ii) of this clause need not be followed.

(C) No employee engaged in performing work on this contract shall in any event be paid less than the currently applicable minimum wage specified under section (6)(a)(1) of the Fair Labor Standards Act of 1938, as amended.

(v) The wage rate and fringe benefits finally determined under this subparagraph (c)(2) of this clause shall be paid to all employees performing in the classification from the first day on which contract work is performed by them in the classification. Failure to pay the unlisted employees the compensation agreed upon by the interested parties and/or finally determined by the Wage and Hour Division retroactive to the date such class of employees commenced contract work shall be a violation of the Act and this contract.

(vi) Upon discovery of failure to comply with subparagraph (c)(2) of this clause, the Wage and Hour Division shall make a final determination of conformed classification, wage rate, and/or fringe benefits which shall be retroactive to the date such class or classes of employees commenced contract work.

(3) Adjustment of Compensation. If the term of this contract is more than 1 year, the minimum monetary wages and fringe benefits required to be paid or furnished thereunder to service employees under this contract shall be subject to adjustment after 1 year and not less often than once every 2 years, under wage determinations issued by the Wage and Hour Division.

(d) Obligation to Furnish Fringe Benefits. The Contractor or subcontractor may discharge the obligation to furnish fringe benefits specified in the attachment or determined under subparagraph (c)(2) of this clause by furnishing equivalent combinations of bona fide fringe benefits, or by making equivalent or differential cash payments, only in accordance with Subpart D of 29 CFR Part 4.

(e) Minimum Wage. In the absence of a minimum wage attachment for this contract, neither the Contractor nor any subcontractor under this contract shall pay any person performing work under this contract (regardless of whether the person is a service employee) less than the minimum wage specified by section 6(a)(1) of the Fair Labor Standards Act of 1938. Nothing in this clause shall relieve the Contractor or any subcontractor of any other obligation under law or contract for payment of a higher wage to any employee.

(f) Successor Contracts. If this contract succeeds a contract subject to the Act under which substantially the same services were furnished in the same locality and service employees were paid wages and fringe benefits provided for in a collective bargaining agreement, in the absence of the minimum wage attachment for this contract setting forth such collectively bargained wage rates and fringe benefits, neither the Contractor nor any subcontractor under this contract shall pay any service employee performing any of the contract work (regardless of whether or not such employee was

employed under the predecessor contract), less than the wages and fringe benefits provided for in such collective bargaining agreement, to which such employee would have been entitled if employed under the predecessor contract, including accrued wages and fringe benefits and any prospective increases in wages and fringe benefits provided for under such agreement. No Contractor or subcontractor under this contract may be relieved of the foregoing obligation unless the limitations of 29 CFR 4.1b(b) apply or unless the Secretary of Labor or the Secretary's authorized representative finds, after a hearing as provided in 29 CFR 4.10 that the wages and/or fringe benefits provided for in such agreement are substantially at variance with those which prevail for services of a character similar in the locality, or determines, as provided in 29 CFR 4.11, that the collective bargaining agreement applicable to service employees employed under the predecessor contract was not entered into as a result of arm's length negotiations. Where it is found in accordance with the review procedures provided in 29 CFR 4.10 and/or 4.11 and Parts 6 and 8 that some or all of the wages and/or fringe benefits contained in a predecessor Contractor's collective bargaining agreement are substantially at variance with those which prevail for services of a character similar in the locality, and/or that the collective bargaining agreement applicable to service employees employed under the predecessor contract was not entered into as a result of arm's length negotiations, the Department will issue a new or revised wage determination setting forth the applicable wage rates and fringe benefits. Such determination shall be made part of the contract or subcontract, in accordance with the decision of the Administrator, the Administrative Law Judge, or the Board of Service Contract Appeals, as the case may be, irrespective of whether such issuance occurs prior to or after the award of a contract or subcontract (53 Comp. Gen. 401 (1973)). In the case of a wage determination issued solely as a result of a finding of substantial variance, such determination shall be effective as of the date of the final administrative decision.

(g) Notification to Employees. The Contractor and any subcontractor under this contract shall notify each service employee commencing work on this contract of the minimum monetary wage and any fringe benefits required to be paid pursuant to this contract, or shall post the wage determination attached to this contract. The poster provided by the Department of Labor (Publication WH 1313) shall be posted in a prominent and accessible place at the worksite. Failure to comply with this requirement is a violation of section 2(a)(4) of the Act and of this contract.

(h) Safe and Sanitary Working Conditions. The Contractor or subcontractor shall not permit any part of the services called for by this contract to be performed in buildings or surroundings or under working conditions provided by or under the control or supervision of the Contractor or subcontractor which are unsanitary, hazardous, or dangerous to the health or safety of the service employees. The Contractor or subcontractor shall comply with the safety and health standards applied under 29 CFR Part 1925.

(i) Records. (1) The Contractor and each subcontractor performing work subject to the Act shall make and maintain for 3 years from the completion of the work, and make them available for inspection and transcription by authorized representatives of the Wage and Hour Division, Employment Standards Administration, a record of the following:

(1) For each employee subject to the Act -

(A) Name and address and social security number;

(B) Correct work classification or classifications, rate or rates of monetary wages paid and fringe benefits provided, rate or rates of payments in lieu of fringe benefits, and total daily and weekly compensation;

(C) Daily and weekly hours worked by each employee; and

(D) Any deductions, rebates, or refunds from the total daily or weekly compensation of each employee.

(ii) For those classes of service employees not included in any wage determination attached to this contract, wage rates or fringe benefits determined by the interested parties or by the Administrator or authorized representative under the terms of paragraph (c) of this clause. A copy of the report required by subdivision (c)(2)(ii) of this clause will fulfill this requirement.

(iii) Any list of the predecessor Contractor's employees which had been furnished to the Contractor as prescribed by paragraph (n) of this clause.

(2) The Contractor shall also make available a copy of this contract for inspection or transcription by authorized representatives of the Wage and Hour Division.

(3) Failure to make and maintain or to make available these records for inspection and transcription shall be a violation of the regulations and this contract, and in the case of failure to produce these records, the Contracting Officer, upon direction of the Department of Labor and notification to the Contractor, shall take action to cause suspension of any further payment or advance of funds until the violation ceases.

(4) The Contractor shall permit authorized representatives of the Wage and Hour Division to conduct interviews with employees at the worksite during normal working hours.

(j) Pay Periods. The Contractor shall unconditionally pay to each employee subject to the Act all wages due free and clear and without subsequent deduction (except as otherwise provided by law or Regulations, 29 CFR Part 4), rebate, or kickback on any account. These payments shall be made no later than one pay period following the end of the regular pay period in which the wages were earned or accrued. A pay period under this Act may not be of any duration

longer than semi-monthly.

(k) Withholding of Payments and Termination of Contract. The Contracting Officer shall withhold or cause to be withheld from the Government Prime Contractor under this or any other Government contract with the Prime Contractor such sums as an appropriate official of the Department of Labor requests or such sums as the Contracting Officer decides may be necessary to pay underpaid employees employed by the Contractor or subcontractor. In the event of failure to pay any employees subject to the Act all or part of the wages or fringe benefits due under the Act, the Contracting Officer may, after authorization or by direction of the Department of Labor and written notification to the Contractor, take action to cause suspension of any further payment or advance of funds until such violations have ceased. Additionally, any failure to comply with the requirements of this clause may be grounds for termination of the right to proceed with the contract work. In such event, the Government may enter into other contracts or arrangements for completion of the work, charging the Contractor in default with any additional cost.

(l) Subcontracts. The Contractor agrees to insert this clause in all subcontracts subject to the Act.

(m) Collective Bargaining Agreements Applicable to Service Employees. If wages to be paid or fringe benefits to be furnished any service employees employed by the Government Prime Contractor or any subcontractor under the contract are provided for in a collective bargaining agreement which is or will be effective during any period in which the contract is being performed, the Government Prime Contractor shall report such fact to the Contracting Officer, together with full information as to the application and accrual of such wages and fringe benefits, including any prospective increases to service employees engaged in work on the contract, and a copy of the collective bargaining agreement. Such report shall be made upon commencing performance of the contract, in the case of collective bargaining agreements effective at such time, and in the case of such agreements or provisions or amendments thereof effective at a later time during the period of contract performance such agreements shall be reported promptly after negotiation thereof.

(n) Seniority List. Not less than 10 days prior to completion of any contract being performed at a Federal facility where service employees may be retained in the performance of the succeeding contract and subject to a wage determination which contains vacation or other benefit provisions based upon length of service with a Contractor (predecessor) or successor (29 CFR 4.173), the incumbent Prime Contractor shall furnish the Contracting Officer a certified list of the names of all service employees on the Contractor's or subcontractor's payroll during the last month of contract performance. Such list shall also contain anniversary dates of employment on the contract either with the current or predecessor Contractors of each such service employee. The Contracting Officer shall turn over such list to the successor Contractor at the commencement of the succeeding contract.

(o) Rulings and Interpretations. Rulings and interpretations of the Act are contained in Regulations, 29 CFR Part 4.

(p) Contractor's Certification. (1) By entering into this contract, the Contractor (and officials thereof) certifies that neither it (nor he or she) nor any person or firm who has a substantial interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of the sanctions imposed under section 5 of the Act.

(2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract under section 5 of the Act.

(3) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

(q) Variations, Tolerances, and Exemptions Involving Employment. Notwithstanding any of the provisions in paragraphs (b) through (o) of this clause, the following employees may be employed in accordance with the following variations, tolerances, and exemptions, which the Secretary of Labor, pursuant to section 4(b) of the Act prior to its amendment by Pub. L. 92-473, found to be necessary and proper in the public interest or to avoid serious impairment of the conduct of Government business.

(1) Apprentices, student-learners, and workers whose earning capacity is impaired by age, physical or mental deficiency or injury may be employed at wages lower than the minimum wages otherwise required by section 2(a)(1) or 2(b)(1) of the Act without diminishing any fringe benefits or cash payments in lieu thereof required under section 2(a)(2) of the Act, in accordance with the conditions and procedures prescribed for the employment of apprentices, student-learners, handicapped persons, and handicapped clients of sheltered workshops under section 14 of the Fair Labor Standards Act of 1938, in the regulations issued by the Administrator (29 CFR Parts 520, 521, 524, and 525).

(2) The Administrator will issue certificates under the Act for the employment of apprentices, student-learners, handicapped persons, or handicapped clients of sheltered workshops not subject to the Fair Labor Standards Act of 1938, or subject to different minimum rates of pay under the two acts, authorizing appropriate rates of minimum wages (but without changing requirements concerning fringe benefits or supplementary cash payments in lieu thereof), applying procedures prescribed by the applicable regulations issued under the Fair Labor Standards Act of 1938 (29 CFR Parts 520, 521, 524, and 525).

(3) The Administrator will also withdraw, annul, or cancel such certificates in accordance with the regulations in 29 CFR Parts 525 and 528.

(r) Apprentices. Apprentices will be permitted to work at less

than the predetermined rate for the work they perform when they are employed and individually registered in a bona fide apprenticeship program registered with a State Apprenticeship Agency which is recognized by the U.S. Department of Labor, or if no such recognized agency exists in a State, under a program registered with the Bureau of Apprenticeship and Training, Employment and Training Administration, U.S. Department of Labor. Any employee who is not registered as an apprentice in an approved program shall be paid the wage rate and fringe benefits contained in the applicable wage determination for the journeyman classification of work actually performed. The wage rates paid apprentices shall not be less than the wage rate for their level of progress set forth in the registered program, expressed as the appropriate percentage of the journeyman's rate contained in the applicable wage determination. The allowable ratio of apprentices to journeymen employed on the contract work in any craft classification shall not be greater than the ratio permitted to the Contractor as to his entire work force under the registered program.

(s) Tips. An employee engaged in an occupation in which the employee customarily and regularly receives more than \$30 a month in tips may have the amount of these tips credited by the employer against the minimum wage required by section 2(a)(1) or section 2(b) of the Act, in accordance with section 3(m) of the Fair Labor Standards Act and Regulations 29 CFR Part 531. However, the amount of credit shall not exceed \$1.34 per hour beginning January 1, 1981. To use this provision -

(1) The employer must inform tipped employees about this tip credit allowance before the credit is utilized;

(2) The employees must be allowed to retain all tips (individually or through a pooling arrangement and regardless of whether the employer elects to take a credit for tips received);

(3) The employer must be able to show by records that the employee receives at least the applicable Service Contract Act minimum wage through the combination of direct wages and tip credit; and

(4) The use of such tip credit must have been permitted under any predecessor collective bargaining agreement applicable by virtue of section 4(c) of the Act.

(t) Disputes Concerning Labor Standards. The U.S. Department of Labor has set forth in 29 CFR Parts 4, 6, and 8 procedures for resolving disputes concerning labor standards requirements. Such disputes shall be resolved in accordance with those procedures and not the Disputes clause of this contract. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(End of Clause)

I.4 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (FAR 52.222-42) (MAY 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

THIS STATEMENT IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION.

Employee Class	Monetary Wage-Fringe Benefits
Computer Technician	\$9.71
Programmer Computer Technician	\$14.37
Project Manager	\$20.48

(End of Clause)

I.5 DRUG-FREE WORKPLACE (FAR 52.223-6) (JUL 1990)

(a) Definitions. As used in this clause,--

"Controlled substance" means a controlled substance in schedules I through V of section 202 of the Controlled Substances Act (21 U.S.C. 812) and as further defined in regulation at 21 CFR 1308.11-1308.15.

"Conviction" means a finding of guilt (including a plea of nolo contendere) or imposition of sentence, or both, by any judicial body charged with the responsibility to determine violations of the Federal or State criminal drug statutes.

"Criminal drug statute" means a Federal or non-Federal criminal statute involving the manufacture, distribution, dispensing, possession or use of any controlled substance.

"Drug-free workplace" means the site(s) for the performance of work done by the Contractor in connection with a specific contract at which employees of the contractor are prohibited from engaging in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance.

"Employee" means an employee of a contractor directly engaged in the performance of work under a Government contract. "Directly engaged" is defined to include all direct cost employees and any other Contractor employee who has other than a minimal impact or involvement in contract performance.

"Individual" means an offeror/contractor that has no more than one employee including the offeror/contractor.

(b) The Contractor, if other than an individual, shall -- within 30 calendar days after award (unless a longer period is agreed to in writing for contracts of 30 calendar days or more performance duration) or as soon as possible for contracts of less than 30 calendar days performance duration --

(1) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition;

(2) Establish an ongoing drug-free awareness program to inform such employees about --

(i) The dangers of drug abuse in the workplace;

(ii) The contractor's policy of maintaining a drug-free workplace;

(iii) Any available drug counseling, rehabilitation, and employee assistance programs; and

(iv) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.

(3) Provide all employees engaged in performance of the contract with a copy of the statement required by subparagraph (b)(1) of this clause;

(4) Notify such employees in writing in the statement required by subparagraph (b)(1) of this clause that, as a condition of continued employment on this contract, the employee will --

(i) Abide by the terms of the statement; and

(ii) Notify the employer in writing of the employee's conviction under a criminal drug statute for a violation occurring in the workplace no later than 5 calendar days after such conviction.

(5) Notify the Contracting Officer in writing within 10 calendar days after receiving notice under subdivision (b)(4)(ii) of this clause, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;

(6) Within 30 calendar days after receiving notice under subdivision (b)(4)(ii) of this clause of a conviction, take one of the following actions with respect to any employee who is convicted of a drug abuse violation occurring in the workplace:

(i) Taking appropriate personnel action against such employee, up to and including termination; or

(ii) Require such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency.

(7) Make a good faith effort to maintain a drug-free workplace through implementation of subparagraphs (b)(1) through (b)(6) of this clause.

(c) The Contractor, if an individual, agrees by award of the contract or acceptance of a purchase order, not to engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in the performance of this contract.

(d) In addition to other remedies available to the Government, the Contractor's failure to comply with the requirements of paragraphs (b) or (c) of this clause may, pursuant to FAR 23.506, render the Contractor subject to suspension of contract payments, termination of the contract for default, and suspension or debarment.

(End of Clause)

I.6 PROMPT PAYMENT (FAR 52.232-25) (APR 1989)

Notwithstanding any other payment clause in this contract, the Government will make invoice payments and contract financing payments under the terms and conditions specified in this clause. Payment shall be considered as being made on the day a check is dated or an electronic funds transfer is made. Definitions of pertinent terms are set forth in 32.902. All days referred to in this clause are calendar days, unless otherwise specified. The term "foreign vendor" means an incorporated concern not incorporated in the United States, or unincorporated concern having its principal place of business outside the United States.

(a) Invoice Payments.

(1) For purposes of this clause, "invoice payment" means a Government disbursement of monies to a Contractor under a contract or other authorization for supplies or services accepted by the Government. This includes payments for partial deliveries that have been accepted by the Government and final cost or fee payments where amounts owed have been settled between the Government and the Contractor.

(2) Except as indicated in subparagraph (a)(3) and paragraph (c) of this clause, the due date for making invoice payments by the designated payment office shall be the later of the following two events:

(i) The 30th day after the designated billing office has received a proper invoice from the Contractor.

(ii) The 30th day after Government acceptance of supplies

delivered or services performed by the Contractor. On a final invoice where the payment amount is subject to contract settlement actions, acceptance shall be deemed to have occurred on the effective date of the contract settlement. However, if the designated billing office fails to annotate the invoice with the actual date of receipt, the invoice payment due date shall be deemed to be the 30th day after the date the Contractor's invoice is dated, provided a proper invoice is received and there is no disagreement over quantity, quality, or Contractor compliance with contract requirements.

(3) The due date on contracts for meat and meat food products, contracts for perishable agricultural commodities, contracts for dairy products, edible fats or oils, and food products prepared from edible fats or oils, and contracts not requiring submission of an invoice shall be as follows:

(i) The due date for meat and meat food products, as defined in section 2(a)(3) of the Packers and Stockyard Act of 1921 (7 U.S.C. 182(3)) and further defined in Pub. L. 98-181 to include any edible fresh or frozen poultry meat, any perishable poultry meat food product, fresh eggs, and any perishable egg product, will be as close as possible to, but not later than, the 7th day after product delivery.

(ii) The due date for perishable agricultural commodities, as defined in Section 1(4) of the Perishable Agricultural Commodities Act of 1930 (7 U.S.C. 499a(4)), will be as close as possible to, but not later than, the 10th day after product delivery, unless another date is specified in the contract.

(iii) The due date for dairy products, as defined in Section 111(e) of the Dairy Production Stabilization Act of 1983 (7 U.S.C. 4502(e)), edible fats or oils, will be as close as possible to, but not later than, the 10th day after the date on which a proper invoice has been received.

(4) An invoice is the Contractor's bill or written request for payment under the contract for supplies delivered or services performed. An invoice shall be prepared and submitted to the designated billing office specified in the contract. A proper invoice must include the items listed in subdivisions (a)(4)(i) through (a)(4)(viii) of the clause. If the invoice does not comply with these requirements, then the contractor will be notified of the defect within 7 days after receipt of the invoice at the designated billing office (3 days for meat and meat food products and 5 days for perishable agricultural commodities, edible fats or oils, and food products prepared from edible fats or oils). Untimely notification will be taken into account in the computation of any interest penalty owed the Contractor in the manner described in subparagraph (a)(6) of this clause.

(i) Name and address of the Contractor.

(ii) Invoice date.

(iii) Contract number or other authorization for supplies delivered or services performed (including order number and contract line item number).

(iv) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.

(v) Shipping and payment terms (e.g., shipment number and date of shipment, prompt payment discount terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.

(vi) Name and address of Contractor official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).

(vii) Name (where practicable), title, phone number and mailing address of person to be notified in event of a defective invoice.

(viii) Any other information or documentation required by other requirements of the contract (such as evidence of shipment).

(5) An interest penalty shall be paid automatically by the Government, without request from the Contractor, if payment is not made by the due date and the conditions listed in subdivisions (a)(5)(i) through (a)(5)(iii) of this clause are met, if applicable. An interest penalty shall not be paid on contracts awarded to foreign vendors outside the United States for work performed outside the United States.

(i) A proper invoice was received by the designated billing office.

(ii) A receiving report or other Government documentation authorizing payment was processed and there was no disagreement over quantity, quality, or contractor compliance with any contract term or condition.

(iii) In the case of a final invoice for any balance of funds due the Contractor for supplies delivered or services performed, the amount was not subject to further contract settlement actions between the Government and the Contractor.

(6) The interest penalty shall be at the rate established by the Secretary of the Treasury under Section 12 of the Contract Disputes Act of 1978 (41 U.S.C. 611) that is in effect on the day after the due date, except where the interest penalty is prescribed by other governmental authority. This rate is referred to as the "Renegotiation Board Interest Rate," and it is published in the Federal Register semiannually on or about January 1 and July 1. The interest penalty shall accrue daily on the invoice payment amount approved by the Government and be compounded in 30-day increments inclusive from the first day after the due date through the payment

date. That is, interest accrued at the end of any 30-day period will be added to the approved invoice payment amount and be subject to interest penalties if not paid in the succeeding 30-day period. If the designated billing office failed to notify the contractor of a defective invoice within the periods prescribed in subparagraph (a)(4) of this clause, then the due date on the corrected invoice will be adjusted by subtracting the number of days taken beyond the prescribed notification of defects period. Any interest penalty owed the Contractor will be based on this adjusted due date. Adjustments will be made by the designated payment office for errors in calculating interest penalties, if requested by the Contractor.

(i) For the sole purpose of computing an interest penalty that might be due the contractor, Government acceptance shall be deemed to have occurred constructively on the 7th day after the contractor delivered the supplies or performed the services in accordance with the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or contractor compliance with a contract provision. In the event that actual acceptance occurs within the constructive acceptance period, the determination of an interest penalty shall be based on the actual date of acceptance. The constructive acceptance requirement does not, however, compel Government officials to accept supplies or services, perform contract administration functions, or make payment prior to fulfilling their responsibilities.

(ii) The following periods of time will not be included in the determination of an interest penalty:

(A) The period taken to notify the contractor of defects in invoices submitted to the Government, but this may not exceed 7 days (3 days for meat and meat food products and 5 days for perishable agricultural commodities, dairy products, edible fat or oils, and food products prepared from edible fats or oils).

(B) The period between the defects notice and resubmission of the corrected invoice by the Contractor.

(iii) Interest penalties will not continue to accrue after the filing of a claim for such penalties under the clause at 52.233-1, Disputes, or for more than 1 year. Interest penalties of less than \$1.00 need not be paid.

(iv) Interest penalties are not required on payment delays due to disagreement between the Government and Contractor over the payment amount or other issues involving contract compliance or on amounts temporarily withheld or retained in accordance with the terms of the contract. Claims involving disputes, and any interest that may be payable, will be resolved in accordance with the clause at 52.233-1, Disputes.

(7) An interest penalty shall also be paid automatically by the designated payment office, without request from the contractor, if a discount for prompt payment is taken improperly. The interest penalty will be calculated as described in subparagraph (a)(6) of

this clause on the amount of discount taken for the period beginning with the first day after the end of the discount period through the date when the Contractor is paid.

(8) If this contract was awarded on or after October 1, 1989, a penalty amount, calculated in accordance with regulations issued by the Office of Management and Budget, shall be paid in addition to the interest penalty amount if the contractor:

(i) Is owed an interest penalty;

(ii) Is not paid the interest penalty within 10 days after the date the invoice amount is paid; and

(iii) Makes a written demand, not later than 40 days after the date the invoice amount is paid, that the agency pay such a penalty.

(b) Contract Financing Payments.

(1) For purposes of this clause, "contract financing payment" means a Government disbursement of monies to a Contractor under a contract clause or other authorization prior to acceptance of supplies or services by the Government. Contract financing payments include advance payments, progress payments based on cost under the clause at 52.232-16, Progress Payments, progress payments based on a percentage or stage of completion (32.102(e)(1)) other than those made under the clause at 52.232-5, Payments Under Fixed-Price Construction Contracts, or the clause at 52.232-10, Payments Under Fixed-Price Architect-Engineer Contracts, and interim payments on cost type contracts.

(2) For contracts that provide for contract financing, requests for payment shall be submitted to the designated billing office as specified in this contract or as directed by the Contracting Officer. Contract financing payments shall be made on the 30th day after receipt of a proper contract financing request by the designated billing office. In the event that an audit or other review of a specific financing request is required to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the due date specified.

(3) For advance payments, loans, or other arrangements that do not involve recurrent submissions of contract financing requests, payment shall be made in accordance with the corresponding contract terms or as directed by the Contracting Officer.

(4) Contract financing payments shall not be assessed an interest penalty for payment delays.

(c) If this contract contains the clause at 52.213-1, Fast Payment Procedure, payments will be made within 15 days after the date of receipt of the invoice.

(End of Clause)

I.7 ELECTRONIC FUNDS TRANSFER PAYMENT METHODS (FAR 52.232-28)
(APR 1989)

Payments under this contract will be made by the Government either by check or electronic funds transfer (through the Treasury Fedline Payment System (FEDLINE) or the Automated Clearing House (ACH), at the option of the Government. After award, but no later than 14 days before an invoice or contract financing request is submitted, the Contractor shall designate a financial institution for receipt of electronic funds transfer payment, and shall submit this designation to the Contracting Officer or other Government Official, as directed.

(a) For payment through FEDLINE, the Contractor shall provide the following information:

(1) Name, address, and telegraphic abbreviation of the financial institution receiving payment.

(2) The American Bankers Association 9-digit identifying number for wire transfers of the financing institution receiving payment if the institution has access to the Federal Reserve Communications System.

(3) Payee's account number at the financial institution where funds are to be transferred.

(4) If the financial institution does not have access to the Federal Reserve Communications System, name, address, and telegraphic abbreviation of the correspondent financial institution through which the financial institution receiving payment obtains wire transfer activity. Provide the telegraphic abbreviation and the American Bankers Association identifying number for the correspondent institution.

(b) For payment through ACH, the Contractor shall provide the following information:

(1) Routing transit number of the financial institution receiving payment (same as American Bankers Association identifying number used for FEDLINE).

(2) Number of account to which funds are to be deposited.

(3) Type of depositor account ("C" for checking, "S" for savings).

(4) If the Contractor is a new enrollee to the ACH system, a "Payment Information Form," SF 3881, must be completed before payment can be processed.

(c) In the event the Contractor, during the performance of this

contract, effects to designate a different financial institution for the receipt of any payment made using electronic funds transfer procedures, notification of such change and the required information specified above must be received by the appropriate Government official 30 days prior to the date such change is to become effective.

(d) The documents furnishing the information required in this clause must be dated and contain the signature, title, and telephone number of the Contractor official authorized to provide it, as well as the Contractor's name and contract number.

(e) Contractor failure to properly designate a financial institution or to provide appropriate payee bank account information may delay payment of amounts otherwise properly due.

(End of Clause)

I.8 CLAUSES INCORPORATED BY REFERENCE
(FAR 52.252-2) (JUN 1988)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

(End of Clause)

I.9 LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL
TRANSACTIONS--(FAR 52.203-12) (JAN 1990)

(a) Definitions.

"Agency", as used in this clause, means executive agency as defined in 2.101.

"Covered Federal action," as used in this clause, means any of the following Federal actions:

- (a) The awarding of any Federal contract.
- (b) The making of any Federal grant.
- (c) The making of any Federal loan.
- (d) The entering into of any cooperative agreement.
- (e) The extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

"Indian tribe" and "tribal organization," as used in this clause, have the meaning provided in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) and include Alaskan Natives.

"Influencing or attempting to influence," as used in this clause, means making, with the intent to influence, any communication to or appearance before an officer or employee of

any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any covered Federal action.

"Local government," as used in this clause, means a unit of government in a State and, if chartered, established, or otherwise recognized by a State for the performance of a governmental duty, including a local public authority, a special district, an intrastate district, a council of governments, a sponsor group representative organization, and any other instrumentality of a local government.

"Officer or employee of an agency," as used in this clause, includes the following individuals who are employed by an agency:

(a) An individual who is appointed to a position in the Government under title 5, United States Code, including a position under a temporary appointment.

(b) A member of the uniformed services, as defined in subsection 101(3), title 37, United States Code.

(c) A special Government employee, as defined in section 202, title 18, United States Code.

(d) An individual who is a member of a Federal advisory committee, as defined by the Federal Advisory Committee Act, title 5, United States Code, appendix 2.

"Person," as used in this clause, means an individual, corporation, company, association, authority, firm, partnership, society, State, and local government, regardless of whether such entity is operated for profit, or not for profit. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Reasonable compensation," as used in this clause, means, with respect to a regularly employed officer or employee of any person, compensation that is consistent with the normal compensation for such officer or employee for work that is not furnished to, not funded by, or not furnished in cooperation with the Federal Government.

"Reasonable payment," as used in this clause, means, with respect to professional and other technical services, a payment in an amount that is consistent with the amount normally paid for such services in the private sector.

"Recipient," as used in this clause, includes the Contractor and all subcontractors. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Regularly employed," as used in this clause, means, with

respect to an officer or employee of a person requesting or receiving a Federal contract, an officer or employee who is employed by such person for at least 130 working days within 1 year immediately preceding the date of the submission that initiates agency consideration of such person for receipt of such contract. An officer or employee who is employed by such person for less than 130 working days within 1 year immediately preceding the date of the submission that initiates agency consideration of such person shall be considered to be regularly employed as soon as he or she is employed by such person for 130 working days.

"State," as used in this clause, means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, a territory or possession of the United States, an agency or instrumentality of a State, and a multi-State, regional, or interstate entity having governmental duties and powers.

(b) Prohibitions.

(1) Section 1352 of title 31, United States Code, among other things, prohibits a recipient of a Federal contract, grant, loan, or cooperative agreement from using appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.

(2) The Act also requires Contractors to furnish a disclosure if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

(3) The prohibitions of the Act do not apply under the following conditions:

(i) Agency and legislative liaison by own employees.

(A) The prohibition on the use of appropriated funds, in paragraph (b)(1) of this clause, does not apply in the case of a payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action if the payment is for agency and legislative liaison activities not directly related to a covered Federal action.

(B) For purposes of subdivision (b)(3)(i)(A) of this clause, providing any information specifically requested by an agency or Congress is permitted at any time.

(C) The following agency and legislative liaison activities are permitted at any time where they are not related to a specific solicitation for any covered Federal action:

(1) Discussing with an agency the qualities and characteristics (including individual demonstrations) of the person's products or services, conditions or terms of sale, and service capabilities.

(2) Technical discussions and other activities regarding the application or adaptation of the person's products or services for an agency's use.

(D) The following agency and legislative liaison activities are permitted where they are prior to formal solicitation of any covered Federal action--

(1) Providing any information not specifically requested but necessary for an agency to make an informed decision about initiation of a covered Federal action;

(2) Technical discussions regarding the preparation of an unsolicited proposal prior to its official submission; and

(3) Capability presentations by persons seeking awards from an agency pursuant to the provisions of the Small Business Act, as amended by Pub. L. 95-507, and subsequent amendments.

(E) Only those activities expressly authorized by subdivision (b)(3)(i)(A) of this clause are permitted under this clause.

(ii) Professional and technical services.

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of--

(1) A payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action, if payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action.

(2) Any reasonable payment to a person other than an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action if the payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any--

bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action. Persons other than officers or employees of a person requesting or receiving a covered Federal action include consultants and trade associations.

(B) For purposes of subdivision (b)(3)(ii)(A) of this clause, "professional and technical services" shall be limited to advice and analysis directly applying any professional or technical discipline. For example, drafting of a legal document accompanying a bid or proposal by a lawyer is allowable.

Similarly, technical advice provided by an engineer on the performance or operational capability of a piece of equipment rendered directly in the negotiation of a contract is allowable. However, communications with the intent to influence made by a professional (such as a licensed lawyer) or a technical person (such as a licensed accountant) are not allowable under this section unless they provide advice and analysis directly applying their professional or technical expertise and unless the advice or analysis is rendered directly and solely in the preparation, submission or negotiation of a covered Federal action. Thus, for example, communications with the intent to influence made by a lawyer that do not provide legal advice or analysis directly and solely related to the legal aspects of his or her client's proposal, but generally advocate one proposal over another are not allowable under this section because the lawyer is not providing professional legal services. Similarly, communications with the intent to influence made by an engineer providing an engineering analysis prior to the preparation or submission of a bid or proposal are not allowable under this section since the engineer is providing technical services but not directly in the preparation, submission or negotiation of a covered Federal action.

(C) Requirements imposed by or pursuant to law as a condition for receiving a covered Federal award include those required by law or regulation and any other requirements in the actual award documents.

(D) Only those services expressly authorized by subdivisions (b)(3)(ii)(A)(1) and (2) of this clause are permitted under this clause.

(E) The reporting requirements of FAR 3.803(a) shall not apply with respect to payments of reasonable compensation made to regularly employed officers or employees of a person.

(iii) Disclosure.

(A) The Contractor who requests or receives from an agency a Federal Contract shall file with that agency a disclosure form, OMB standard form LLL, Disclosure of Lobbying Activities, if such person has made or has agreed to make any payment using nonappropriated funds (to include profits from any covered Federal action), which would be prohibited under subparagraph (b)(1) of

this clause, if paid for with appropriated funds.

(B) The Contractor shall file a disclosure form at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the information contained in any disclosure form previously filed by such person under subparagraph (c)(1) of this clause. An event that materially affects the accuracy of the information reported includes--

(1) A cumulative increase of \$25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action; or

(2) A change in the person(s) or individual(s) influencing or attempting to influence a covered Federal action; or

(3) A change in the officer(s), employee(s), or Member(s) contacted to influence or attempt to influence a covered Federal action.

(C) The Contractor shall require the submittal of a certification, and if required, a disclosure form by any person who requests or received any subcontract exceeding \$100,000 under the Federal contract.

(D) All subcontractor disclosure forms (but not certification) shall be forwarded from tier to tier until received by the prime Contractor. The prime Contractor shall submit all disclosures to the Contracting Officer at the end of the calendar quarter in which the disclosure form is submitted by the subcontractor. Each subcontractor certification shall be retained in the subcontract file of the awarding Contractor.

(iv) Agreement. The Contractor agrees not to make any payment prohibited by this clause.

(v) Penalties.

(A) Any person who makes an expenditure prohibited under paragraph (a) of this clause or who fails to file or amend the disclosure form to be filed or amended by paragraph (b) of this clause shall be subject to civil penalties as provided for by 31 U.S.C. 1352. An imposition of a civil penalty does not prevent the Government from seeking any other remedy that may be applicable.

(B) Contractors may rely without liability on the representation made by their subcontractors in the certification and disclosure form.

(vi) Cost allowability. Nothing in this clause makes allowable or reasonable any costs which would otherwise be unallowable or unreasonable. Conversely, costs made specifically unallowable by the requirements in this clause will not be made allowable under any other provision.

(End of clause)

I.10 SPECIAL 8(a) CONTRACT CONDITIONS (FAR 52.219-11)
(FEB 1990)

The Small Business Administration (SBA) agrees to the following:

(a) To furnish the supplies or services set forth in this contract according to the specifications and the terms and conditions hereof by subcontracting with an eligible concern pursuant to the provisions of section 8(a) of the Small Business Act, as amended (15 U.S.C. 637(a)).

(b) That in the event SBA does not award a subcontract for all or a part of the work hereunder, this contract may be terminated either in whole or in part without cost to either party.

(c) Except for novation agreements and advance payments, delegates to the U. S. Nuclear Regulatory Commission the responsibility for administering the subcontract to be awarded hereunder with complete authority to take any action on behalf of the Government under the terms and conditions of the subcontract; PROVIDED, HOWEVER, that the U. S. Nuclear Regulatory Commission shall give advance notice to the SBA before it issues a final notice terminating the right of a subcontractor to proceed with further performance, either in whole or in part, under the subcontract for default or for the convenience of the Government.

(d) That payments to be made under any subcontract awarded under this contract will be made directly to the subcontractor by the U. S. Nuclear Regulatory Commission.

(e) That the subcontractor awarded a subcontract hereunder shall have the right of appeal from decisions of the Contracting Officer cognizable under the "Disputes" clause of said subcontract.

(f) To notify the U.S. Nuclear Regulatory Commission Contracting Officer immediately upon notification by the subcontractor that the owner or owners upon whom 8(a) eligibility was based plan to relinquish ownership or control of the concern.

(End of clause)

I.11 SPECIAL 8(a) SUBCONTRACT CONDITIONS (FAR 52.219-12)
(FEB 1990)

(a) The Small Business Administration (SBA) has entered into Contract No. NRC-_____*_____ with the
*_____ to furnish the supplies or services as described therein. A copy of the contract is attached hereto and

made a part hereof.

(b) The , hereafter referred to as the subcontractor, agrees and acknowledges as follows:

(1) That it will, for and on behalf of the SBA, fulfill and perform all of the requirements of Contract No. for the consideration stated therein and that it has read and is familiar with each and every part of the contract.

(2) That the SBA has delegated responsibility for the administration of this subcontract to the U. S. Nuclear Regulatory Commission with complete authority to take any action on behalf of the Government under the terms and conditions of this subcontract.

(3) That it will not subcontract the performance of any of the requirements of this subcontract to any lower tier subcontractor without the prior written approval of the SBA and the designated Contracting Officer of the U. S. Nuclear Regulatory Commission.

(4) That it will notify the U.S. Nuclear Regulatory Commission Contracting Officer in writing immediately upon entering an agreement (either oral or written) to transfer all or part of its stock or other ownership interest to any other party.

(c) Payments, including any progress payments under this subcontract, will be made directly to the subcontractor by the U. S. Nuclear Regulatory Commission.

(End of clause)

I.12 SECTION 8(A) AWARD (FAR 52.219-17) (1990)

(a) By execution of a contract, the Small Business Administration (SBA) agrees to the following:

(1) To furnish the supplies or services set forth in the contract according to the specifications and the terms and conditions by subcontracting with the Offeror who has been determined an eligible concern pursuant to the provisions of section 8(a) of the Small Business Act, as amended (15 U.S.C. 637(a)).

(2) Except for novation agreements and advance payments, delegates to the U. S. Nuclear Regulatory Commission the responsibility for administering the contract with complete authority to take any action on behalf of the Government under the terms and conditions of the contract; provided, however that the contracting agency shall give advance notice to the SBA before it issues a final notice terminating the right of the subcontractor to proceed with further performance, either in whole or in part, under the contract.

(3) That payments to be made under the contract will be made

directly to the subcontractor by the contracting activity.

(4) To notify the U. S. Nuclear Regulatory Commission Contracting Officer immediately upon notification by the subcontractor that the owner or owners upon whom 8(a) eligibility was based plan to relinquish ownership or control of the concern.

(b) The offeror/subcontractor agrees and acknowledges that it will, for and on behalf of the CBA, fulfill and perform all of the requirements of the contract.

(End of clause)

PART III - LIST OF DOCUMENTS, EXHIBITS
AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

J.1 ATTACHMENTS (MAR 1987)

<u>Attachment Number</u>	<u>Title</u>
1	Billing Instructions
2	NRC Contractor Organizational Conflicts of Interest (41 CFR Part 20)
3	Standard Form 1411 with Instructions DELETED
4	Wage Determination
5	Instructions/Procedures for Data Entry Requirements
6	Photo Badge Request Form

REVISED 8/89

BILLING INSTRUCTIONS FOR
FIXED PRICE CONTRACTS

General: The contractor shall prepare vouchers or invoices as prescribed herein. FAILURE TO SUBMIT VOUCHERS/INVOICES IN ACCORDANCE WITH THESE INSTRUCTIONS WILL RESULT IN REJECTION OF THE VOUCHER/INVOICE AS IMPROPER.

Form: Claims shall be submitted on the payee's letterhead, voucher/invoice, or on the Government's Standard Form 1034, "Public Voucher for Purchases and Services Other than Personal," and Standard Form 1035, "Public Voucher for Purchases Other than Personal--Continuation Sheet." These forms are available from the U. S. Government Printing Office, 701 North Capitol Street, Washington, D.C. 20801.

Number of Copies: An original and three copies shall be submitted. Failure to submit all the required copies will result in rejection of the voucher/invoice as improper.

Designated Agency Billing Office: Vouchers/invoices shall be submitted to the following address:

U. S. Nuclear Regulatory Commission
Division of Contracts and Property Management
Contract Administration Branch, Mailstop P-902
Washington, D.C. 20555

HAND-DELIVERY OF VOUCHERS/INVOICES IS DISCOURAGED AND WILL NOT EXPEDITE PROCESSING BY NRC. However, should you choose to deliver vouchers/invoices by hand, including delivery by any express mail services or special delivery services which use a courier or other person to deliver the voucher/invoice in person to the NRC, such vouchers/invoices must be addressed to the above Designated Agency Billing Office and will only be accepted at the following location:

U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Room
Rockville, Maryland 20852

HAND-CARRIED SUBMISSIONS WILL NOT BE ACCEPTED AT OTHER THAN THE ABOVE ADDRESS.

Note that the official receipt date for hand-delivered vouchers/invoices will be the date it is received by the official agency billing office in the Division of Contracts and Property Management.

Agency Payment Office: Payment will continue to be made by the office designated in the contract in Block 12 of SF 26 or Block 25 of SF 33, whichever is applicable.

Frequency: The contractor shall submit an voucher or invoice only after NRC's final acceptance of services rendered or products delivered in performance of the contract unless otherwise specified in the contract.

Preparation and Itemization of the Voucher/Invoice: The voucher/invoice shall be prepared in ink or by typewriter (without strikeovers). Corrections or erasures must be initialed. To be considered a proper voucher/invoice, all of the following elements must be included:

1. Contract number
2. Sequential voucher/invoice number.
3. Date of voucher/invoice.
4. Project Officer's name and mailstop as designated in the contract.
5. Payee's name and address. (Show the name of the contractor and its correct address. In addition, when an assignment of funds has been made by the contractor, or a different payee has been designated, include the name and address of the payee.) Indicate the name and telephone number of the individual responsible for answering questions the NRC may have regarding the voucher/invoice.
6. Description of articles or services, quantity, unit price, and total amount.
7. Weight and zone of shipment, if shipped by parcel post.
8. Charges for freight or express shipments. Attach prepaid bill if shipped by freight or express.
9. Instructions to consignee to notify the Contracting Officer of receipt of shipment.
10. For Indefinite Delivery contracts or contracts under which progress payments are authorized, the final voucher/invoice shall be marked "FINAL VOUCHER" or "FINAL INVOICE."

Currency: Billings may be expressed in the currency normally used by the contractor in maintaining his accounting records and payments will be made in that currency. However, the U. S. dollar equivalent for all vouchers/invoices paid under the contract may not exceed the total U. S. dollars authorized in the contract.

Supersession: These instructions supersede any previous billing instructions.

PART 20-1 -- GENERAL

Subpart 20-1.54--Contractor Organizational Conflicts of Interest

Sec.	
20-1.5401	Scope and policy.
20-1.5402	Definitions.
20-1.5403	Criteria for recognizing contractor organizational conflicts of interest.
20-1.5404	Representation.
20-1.5405	Contract clauses.
20-1.5405-1	General contract clause.
20-1.5405-2	Special contract provisions.
20-1.5406	Evaluation, findings, and contract award.
20-1.5407	Conflicts identified after award.
20-1.5408	(Reserved)
20-1.5409	(Reserved)
20-1.5410	Subcontractors.
20-1.5411	Waiver.
20-1.5412	Remedies.

AUTHORITY: Sec. 8, Pub. L. 95-601, adding Sec. 170A to Pub. L. 83-703, 68 Stat. 919, as amended (42 U.S.C. ch. 14)

20-1.5401 Scope and Policy.

(a) It is the policy of the U.S. Nuclear Regulatory Commission (NRC) to avoid, eliminate or neutralize contractor organizational conflicts of interest. The NRC achieves this objective by requiring all prospective contractors to submit information describing relationships, if any, with organizations or persons (including those regulated by NRC) which may give rise to actual or potential conflicts of interest in the event of contract award.

(b) Contractor conflict of interest determinations cannot be made automatically or routinely; the application of sound judgment on virtually a case-by-case basis is necessary if the policy is to be applied so as to satisfy the overall public interest. It is not possible to prescribe in advance a specific method or set of criteria which would serve to identify and resolve all of the contractor conflict of interest situations which might arise; however, examples are provided in these regulations to guide application of the policy. NRC contracting and program officials must be alert to other situations which may warrant application of this policy guidance. The ultimate test is: Might the contractor, if awarded the contract, be placed in a position where its judgment may be biased, or where it may have an unfair competitive advantage?

(c) The conflict of interest rule contained in this subpart applies to contractors and offerors only. Individuals or firms who have other relationships with NRC (e.g., parties to a licensing proceeding) are not covered by this regulation. This rule does not apply to the acquisition of consulting services through the personnel appointment process, NRC

agreements with other government agencies, international organizations, or state, local or foreign governments; separate procedures for avoiding conflicts of interest will be employed in such agreements, as appropriate.

20-1.5402 Definitions

(a) "Organizational conflicts of interest" means that a relationship exists whereby a contractor or prospective contractor has present or planned interests related to the work to be performed under an NRC contract which: (1) May diminish its capacity to give impartial, technically sound, objective assistance and advice or may otherwise result in a biased work product, or (2) may result in its being given an unfair competitive advantage.

(b) "Research" means any scientific or technical work involving theoretical analysis, exploration, or experimentation.

(c) "Evaluation activities" means any effort involving the appraisal of a technology, process, product, or policy.

(d) "Technical consulting and management support services" means internal assistance to a component of the NRC in the formulation or administration of its programs, projects, or policies which normally require the contractor to be given access to information which has not been made available to the public or proprietary information. Such services typically include assistance in the preparation of program plans; and preparation of preliminary designs, specifications, or statements of work.

(e) "Contract" means any contract, agreement, or other arrangement with the NRC except as provided in Section 20-1.5401(c).

(f) "Contractor" means any person, firm, unincorporated association, joint venture, co-sponsor, partnership, corporation, affiliates thereof, or their successors in interest, including their chief executives, directors, key personnel (identified in the contract), proposed consultants or subcontractors, which is a party to a contract with the NRC.

(g) "Affiliates" means business concerns which are affiliates of each other when either directly or indirectly one concern or individual controls or has the power to control another, or when a third party controls or has the power to control both (41 CFR 11-1.606-1(e)).

(h) "Subcontractor" means any subcontractor of any tier which performs work under a contract with the NRC except subcontracts for supplies and subcontracts in amounts of \$10,000 or less.

(i) "Prospective contractor" or "offeror" means any person, firm, unincorporated association, joint venture, partnership, corporation, or affiliates thereof, including its chief executive, directors, key personnel (identified in the proposal), proposed consultants, or subcontractors, submitting a bid or proposal, solicited or unsolicited, to the NRC to obtain a contract.

(j) "Potential conflict of interest" means that a factual situation exists that suggests (indicates) that an actual conflict of interest may arise from award of a proposed contract. The term "potential conflict of interest" is used to signify those situations which merit investigation prior to contract award in order to ascertain whether award would give rise to an actual conflict or which must be reported to the contracting officer for investigation if they arise during contract performance.

§ 20-1.5403 Criteria for recognizing contractor organizational conflicts of interest

(a) General. Two questions will be asked in determining whether actual or potential organizational conflicts of interest exist: (1) Are there conflicting roles which might bias a contractor's judgment in relation to its work for the NRC? (2) May the contractor be given an unfair competitive advantage based on the performance of the contract? The ultimate determination by NRC as to whether organizational conflicts of interest exist will be made in light of common sense and good business judgment based upon the relevant facts disclosed and the work to be performed. While it is difficult to identify and to prescribe in advance a specific method for avoiding all of the various situations or relationships which might involve potential organizational conflicts of interest, NRC personnel will pay particular attention to proposed contractual requirements which call for the rendering of advice, consultation or evaluation activities or similar activities that lay direct groundwork for the NRC's decisions on regulatory activities, future procurements, and research programs.

(b) Situations or relationships which may give rise to organizational conflicts of interest. (1) The offeror or contractor shall disclose information concerning relationships which may give rise to organizational conflicts of interest under the following circumstances:

(i) Where the offeror or contractor provides advice and recommendation to the NRC in a technical area in which it is also providing consulting assistance in the same area to any organization regulated by the NRC.

(ii) Where the offeror or contractor provides advice to the NRC on the same or similar matter in which it is also providing assistance to any organization regulated by the NRC.

(iii) Where the offeror or contractor evaluates its own products or services, or the products or services of another entity where the offeror or contractor has been substantially involved in their development or marketing.

(iv) Where the award of a contract would otherwise result in placing the offeror or contractor in a conflicting role in which its judgment may be biased in relation to its work for the NRC or may otherwise result in an unfair competitive advantage for the offeror or contractor.

(2) The contracting officer may request specific information from an offeror or contractor or may require special contract provisions such as provided in 120-1.5405-2 in the following circumstances:

(i) Where the offeror or contractor prepares specifications which are to be used in competitive procurements of products or services covered by such specifications.

(ii) Where the offeror or contractor prepares plans for specific approaches or methodologies that are to be incorporated into competitive procurements using such approaches or methodologies.

(iii) Where the offeror or contractor is granted access to information not available to the public concerning NRC plans, policies, or programs which could form the basis for a later procurement action.

(iv) Where the offeror or contractor is granted access to proprietary information of its competitors.

(v) Where the award of a contract might otherwise result in placing the offeror or contractor in a conflicting role in which its judgment may be biased in relation to its work for the NRC or may otherwise result in an unfair competitive advantage for the offeror or contractor.

(e) Policy application guidance. The following examples are illustrative only and are not intended to identify and resolve all contractor organizational conflict of interest situations. (1) Example. The XYZ Corp., in response to a request for proposal (RFP), proposes to undertake certain analyses of a reactor component as called for in the RFP. The XYZ Corp. is one of several companies considered to be technically well qualified. In response to the inquiry in the RFP, the XYZ Corp. advises that it is currently performing similar analyses for the reactor manufacturer.

Guidance. An NRC contract for that particular work normally would not be awarded to the XYZ Corp. because it would be placed in a position in which its judgment could be biased in relationship to its work for NRC. Since there are other well-qualified companies available, there would be no reason for considering a waiver of the policy.

(2) Example. The ABC Corp., in response to a RFP, proposes to perform certain analyses of a reactor component which are unique to one type of advanced reactor. As is the case with other technically qualified companies responding to the RFP, the ABC Corp. is performing various projects for several different utility clients. None of the ABC Corp. projects have any relationship to the work called for in the RFP. Based on the NRC evaluation, the ABC Corp. is considered to be the best qualified company to perform the work outlined in the RFP.

Guidance. An NRC contract normally could be awarded to the ABC Corp. because no conflict of interest exists which would motivate bias with respect to the work. An appropriate clause would be included in the contract to preclude the ABC Corp. from subsequently contracting for work during the performance of the NRC contract with the private sector which could create a conflict. For example, ABC Corp. would be precluded from the performance of similar work for the company developing the advanced reactor mentioned in the example.

(3) **Example.** As a result of operating problems in a certain type of commercial nuclear facility, it is imperative that NRC secure specific data on various operational aspects of that type of plant so as to assure adequate safety protection of the public. Only one manufacturer has extensive experience with that type of plant. Consequently, that company is the only one with whom NRC can contract which can develop and conduct the testing programs required to obtain the data in reasonable time. That company has a definite interest in any NRC decisions that might result from the data produced because those decisions affect the reactor's design and thus the company's costs.

Guidance. This situation would place the manufacturer in a role in which its judgment could be biased in relationship to its work for NRC. Since the nature of the work required is vitally important in terms of NRC's responsibilities and no reasonable alternative exists, a waiver of the policy may be warranted. Any such waiver shall be fully documented and coordinated in accordance with the waiver provisions of this policy with particular attention to the establishment of protective mechanisms to guard against bias.

(4) **Example.** The ABC Co. submits a proposal for a new system for evaluating a specific reactor component's performance for the purpose of developing standards that are important to the NRC program. The ABC Co. has advised NRC that it intends to sell the new system to industry once its practicability has been demonstrated. Other companies in this business are using older systems for evaluation of the specific reactor component.

Guidance. A contract could be awarded to the ABC Co. provided that the contract stipulates that no information produced under the contract will be used in the contractor's private activities unless such information has been reported to NRC. Information which is reported to NRC by contractor will normally be disseminated by NRC to others so as to preclude an unfair competitive advantage that might otherwise accrue. When NRC furnishes information to the contractor for the performance of contract work, it shall not be used in the contractor's private activities unless such information is generally available to others. Further, the contract will stipulate that the contractor will inform the NRC contracting officer of all situations in which the information developed under the contract is proposed to be used.

(5) Example. The ABC Corp., in response to a RFP proposes to assemble a map showing certain seismological features of the Appalachian fold belt. In accordance with the representation in the RFP and §20-1.5403(b)(1)(i), ABC Corp. informs the NRC that it is presently doing seismological studies for several utilities in the Eastern United States but none of the sites are within the geographic area contemplated by the NRC study.

Guidance. The contracting officer would normally conclude that award of a contract would not place ABC Corp. in a conflicting role where its judgment might be biased. The work for others clause of §20-1.5405-1(c) would preclude ABC Corp. from accepting work during the term of the NRC contract which could create a conflict of interest.

(d) Other considerations. (1) The fact that the NRC can identify and later avoid, eliminate, or neutralize any potential organizational conflicts arising from the performance of a contract is not relevant to a determination of the existence of such conflicts prior to the award of a contract.

(2) It is not relevant that the contractor has the professional reputation of being able to resist temptations which arise from organizational conflicts of interest, or that a follow-on procurement is not involved, or that a contract is awarded on a competitive or a sole source basis.

§20-1.5404 Representation

(a) The following procedures are designed to assist the NRC contracting officer in determining whether situations or relationships exist which may constitute organizational conflicts of interest with respect to a particular offeror or contractor.

(b) Representation procedure. The following organizational conflicts of interest representation provision shall be included in all solicitations and unsolicited proposals for: (1) Evaluation services or activities; (2) technical consulting and management support services; (3) research; and (4) other contractual situations where special organizational conflicts of interest provisions are noted in the solicitation and would be included in the resulting contract. This representation requirement shall also apply to all modifications for additional effort under the contract except those issued under the "changes" clause. Where, however, a statement of the type required by the organizational conflicts of interest representation provision has previously been submitted with regard to the contract being modified, only an updating of such statement shall be required.

ORGANIZATIONAL CONFLICTS OF INTEREST REPRESENTATION

I represent to the best of my knowledge and belief that:

The award to _____ of a contract or the modification of an existing contract does () or does not () involve situations or relationships of the type set forth in 41 CFR §20.1.5403(b)(1).

(c) Instructions to offerors. The following shall be included in all NRC solicitations: (1) If the representation as completed indicates that situations or relationships of the type set forth in 41 CFR §20-1.5403(b)(1) are involved, or the contracting officer otherwise determines that potential organizational conflicts exist, the offeror shall provide a statement in writing which describes in a concise manner all relevant facts bearing on his representation to the contracting officer. If the contracting officer determines that organizational conflicts exist, the following actions may be taken: (i) impose appropriate conditions which avoid such conflicts, (ii) disqualify the offeror, or (iii) determine that it is otherwise in the best interest of the United States to seek award of the contract under the waiver provisions of §20-1.5411.

(2) The refusal to provide the representation required by §20-1.5404(b) or upon request of the contracting officer the facts required by §20-1.5404(c), shall result in disqualification of the offeror for award. The nondisclosure or misrepresentation of any relevant interest may also result in the disqualification of the offeror for award; or if such nondisclosure or misrepresentation is discovered after award, the resulting contract may be terminated. The offeror may also be disqualified from subsequent related NRC contracts and be subject to such other remedial action, provided by law or the resulting contract.

(d) The offeror may, because of actual or potential organizational conflicts of interest, propose to exclude specific kinds of work from the statements of work contained in a RFP unless the RFP specifically prohibits such exclusion. Any such proposed exclusion by an offeror will be considered by the NRC in the evaluation of proposals. If the NRC considers the proposed excluded work to be an essential or integral part of the required work and its exclusion would work to the detriment of the competitive posture of the other offerors, the proposal must be rejected as unacceptable.

(e) The offeror's failure to execute the representation required by subsection (b) above with respect to invitation for bids will be considered to be a minor informality, and the offeror will be permitted to correct the omission.

§ 20-1.5405 Contract clauses

§ 20-1.5405-1 General contract clause

All contracts of the types set forth in § 20-1.5404(b) shall include the following clauses:

(a) Purpose. The primary purpose of this clause is to aid in ensuring that the contractor: (1) is not placed in a conflicting role because of current or planned interest (financial, contractual, organizational or otherwise) which relates to the work under this contract, and (2) does not obtain an unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) Scope. The restrictions described herein shall apply to performance or participation by the contractor as defined in 41 CFR § 20-1.5402(f) in the activities covered by this clause.

(c) Work for others. Notwithstanding any other provision of this contract, during the term of this contract, the contractor agrees to forego entering into consulting or other contractual arrangements with any firm or organization, the result of which may give rise to a conflict of interest with respect to the work being performed under this contract. The contractor shall ensure that all employees who are employed full time under this contract and employees designated as key personnel, if any, under this contract abide by the provision of this clause. If the contractor believes with respect to itself or any such employee that any proposed consultant or other contractual arrangement with any firm or organization may involve a potential conflict of interest, the contractor shall obtain the written approval of the contracting officer prior to execution of such contractual arrangement.

(d) Disclosure after award. (1) The contractor warrants that to the best of its knowledge and belief and except as otherwise set forth in this contract, it does not have any organizational conflicts of interest, as defined in 41 CFR § 20-1.5402(a).

(2) The contractor agrees that if after award it discovers organizational conflicts of interest with respect to this contract, it shall make an immediate and full disclosure in writing to the contracting officer. This statement shall include a description of the action which the contractor has taken or proposes to take to avoid or mitigate such conflicts. The NRC may, however, terminate the contract for convenience if it deems such termination to be in the best interests of the government.

(e) Access to and use of information. (1) If the contractor in the performance of this contract obtains access to information, such as NRC plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (Pub. L. 93-579), or data which has not been released to the public, the contractor agrees not to: (1) Use such information for any private purpose until the information has been released to the public; (11) compete for work for the Commission based

on such information for a period of six (6) months after either the completion of this contract or the release of such information to the public, whichever is first, (iii) submit an unsolicited proposal to the government based on such information until one year after the release of such information to the public, or (iv) release the information without prior written approval by the contracting officer unless such information has previously been released to the public by the NRC.

(2) In addition, the contractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (Pub. L. 93-579), or other confidential or privileged technical, business, or financial information under this contract, the contractor shall treat such information in accordance with restrictions placed on use of the information.

(3) The contractor shall have, subject to patent and security provisions of this contract, the right to use technical data it produces under this contract for private purposes provided that all requirements of this contract have been met.

(f) Subcontracts. Except as provided in 41 CFR §20-1.5402(h), the contractor shall include this clause, including this paragraph, in subcontracts of any tier. The terms "contract," "contractor," and "contracting officer," shall be appropriately modified to preserve the government's rights.

(g) Remedies. For breach of any of the above proscriptions or for intentional nondisclosure or misrepresentation of any relevant interest required to be disclosed concerning this contract or for such erroneous representations as necessarily imply bad faith, the government may terminate the contract for default, disqualify the contractor from subsequent contractual efforts, and pursue other remedies as may be permitted by law or this contract.

(h) Waiver. A request for waiver under this clause shall be directed in writing through the contracting officer to the Executive Director for Operations (EDO) in accordance with the procedures outlined in §20-1.5411.

§20-1.5405-2 Special contract provisions.

(a) If it is determined from the nature of the proposed contract that organizational conflicts of interest exist, the contracting officer may determine that such conflict can be avoided or after obtaining a waiver in accordance with §20-1.5411, neutralized through the use of an appropriate special contract provision. If appropriate, the offeror may negotiate the terms and conditions of these clauses, including the extent and time period of any such restriction. These provisions include but are not limited to:

(1) Hardware exclusion clauses which prohibit the acceptance of production contracts following a related nonproduction contract previously performed by the contractor;

(2) Software exclusion clauses;

(3) Clauses which require the contractor (and certain of his key personnel) to avoid certain organizational conflicts of interest; and

(4) Clauses which provide for protection of confidential data and guard against its unauthorized use.

(b) The following additional contract clause may be included as section (1) in the clause set forth in § 20-1.5405-1 when it is determined that award of a follow-on contract would constitute an organizational conflict of interest.

(1) Follow-on effort. (1) The contractor shall be ineligible to participate in NRC contracts, subcontracts, or proposals therefor (solicited or unsolicited) which stem directly from the contractor's performance of work under this contract. Furthermore, unless so directed in writing by the contracting officer, the contractor shall not perform any technical consulting or management support services work or evaluation activities under this contract on any of its products or services or the products or services of another firm if the contractor has been substantially involved in the development or marketing of such products or services.

(2) If the contractor under this contract prepares a complete or essentially complete statement of work or specifications, the contractor shall be ineligible to perform or participate in the initial contractual effort which is based on such statement of work or specifications. The contractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by the contracting officer, in which case the restriction in this subparagraph shall not apply.

(3) Nothing in this paragraph shall preclude the contractor from offering or selling its standard commercial items to the government.

§ 20-1.5406 Evaluation, findings, and contract award

The contracting officer will evaluate all relevant facts submitted by an offeror pursuant to the representation requirements of § 20-1.5404(b) and other relevant information. After evaluating this information against the criteria of § 20-1.5403, a finding will be made by the contracting officer whether organizational conflicts of interest exist with respect to a particular offeror. If it has been determined that conflicts of interest exist, then the contracting officer shall either:

(a) Disqualify the offeror from award,

- (b) Avoid or eliminate such conflicts by appropriate measures; or
- (c) Award the contract under the waiver provision of §20-1.5411.

§20-1.5407 Conflicts identified after award.

If potential organizational conflicts of interest are identified after award with respect to a particular contractor, the contracting officer determines that such conflicts do, in fact, exist and that it would not be in the best interests of the government to terminate the contract as provided in the clauses required by §20-1.5405, the contracting officer will take every reasonable action to avoid, eliminate, or, after obtaining a waiver in accordance with §20-1.5411, neutralize the effects of the identified conflict.

§20-1.5408 (Reserved)

§20-1.5409 (Reserved)

§20-1.5410 Subcontracts

The contracting officer shall require offerors and contractors to submit a representation statement in accordance with §20-1.5404(b) from subcontractors and consultants. The contracting officer shall require the contractor to include contract clauses in accordance with §20-1.5405 in consultant agreements or subcontracts involving performance of work under a prime contract covered by this subsection.

§20-1.5411 Waiver

In the first instance, determination with respect to the need to seek a waiver for specific contract awards shall be made by the contracting officer with the advice and concurrence of the program office director and the Office of Executive Legal Director. Upon the recommendation of the contracting officer, and after consultation with the Office of the General Counsel, the EDO may waive the policy in specific cases if he determines that it is in the best interest of the United States to do so.

Such action shall be strictly limited to those situations in which:


- (1) The work to be performed under contract is vital to the NRC program;
- (2) the work cannot be satisfactorily performed except by a contractor whose interests give rise to a question of conflict of interest; and (3) contractual and/or technical review and supervision methods can be employed by NRC to neutralize the conflict. For any such waivers, the justification and approval documents shall be placed in the Public Document Room.

§20-1.5412 Remedies

In addition to such other remedies as may be permitted by law or contract for a breach of the restrictions in this subpart or for any intentional misrepresentation or intentional nondisclosure of any relevant interest required to be provided for this section, the NRC may debar the contractor from subsequent NRC contracts.

Dated at Washington, D.C. this 27th day of March 1979.

For the Nuclear Regulatory Commission



Samuel P. Chilk
Secretary of the Commission

R64-90-268

U.S. DEPARTMENT OF LABOR
 EMPLOYMENT STANDARDS ADMINISTRATION
 WAGE AND HOUR DIVISION
 WASHINGTON, D.C. 20210

REGISTER OF WAGE DETERMINATIONS UNDER
 THE SERVICE CONTRACT ACT
 By direction of the Secretary of Labor

Ian L. Moss
 Ian L. Moss
 Director

Division of
 Wage Determinations

LOCALITY	State: TEXAS	TX
	Area: 5/	

Wage determination number: 87-141 (Rev. 7) Date: 11-02-90

Class of service employee	Minimum hourly wage	Fringe benefit payments			
		Health & Welfare	Vacation	Holiday	Other

Automatic Data Processing Occupations, Information and Arts Occupations
 Library and Archive Occupations and Technical Occupations:

1. Key Entry Operator II	\$ 8.61
2. Key Entry Operator I	6.85
3. Computer Programmer IV 1/	16.90
4. Computer Programmer III 1/	15.73
5. Computer Programmer II 1/	12.86
6. Computer Programmer I 1/	10.80
7. Computer Operator IV	13.74
8. Computer Operator III	11.11
9. Computer Operator II	9.44
0. Computer Operator I	7.79
1. Peripheral Equipment Operator	7.84
2. Computer Data Librarian	8.10
3. Drafter V	14.30
4. Drafter IV	12.38
5. Drafter III	10.75
6. Drafter II	9.04
7. Drafter I	6.66
8. Electronics, Instrumentation, Mathematical, Mechanical, Photo-Optics: Technician III	15.65

ATTACHMENT FOUR

U.S. DEPARTMENT OF LABOR
 EMPLOYMENT STANDARDS ADMINISTRATION
 WAGE AND HOUR DIVISION
 WASHINGTON, D.C. 20210

REGISTER OF WAGE DETERMINATIONS UNDER
 THE SERVICE CONTRACT ACT
 By direction of the Secretary of Labor

LOCALITY	State TEXAS	X
	Area 5/	

Ian L. Moss
 Ian L. Moss
 Director

Division of
 Wage Determinations

Wage determination number: 87-141 (Rev. 7) Date: 01-02-90

Class of service employee	Minimum hourly wage	Fringe benefit payments			
		Health & Welfare	Vacation	Holiday	Other

Technician II	\$12.78				
Technician I	9.93				
9. Computer Systems Analyst IV I/	25.25				
0. Computer Systems Analyst III I/	20.36				
1. Computer Systems Analyst II I/	16.74				
2. Computer Systems Analyst I I/	14.63				
3. Exhibits Specialist III	14.30				
4. Exhibits Specialist II	12.38				
5. Exhibits Specialist I	10.75				
6. Illustrator III	14.30				
7. Illustrator II	12.38				
8. Illustrator I	10.75				
9. Photographer III	14.30				
0. Photographer II	12.38				
1. Photographer I	10.75				
2. Technical Information Specialist III	14.30				
3. Technical Information Specialist II	12.38				
4. Technical Information Specialist I	10.75				
5. Librarian	10.34				
6. Library Worker	8.32				
7. Laboratory Tester	8.26				

U.S. DEPARTMENT OF LABOR
 EMPLOYMENT STANDARDS ADMINISTRATION
 WAGE AND HOUR DIVISION
 WASHINGTON, D.C. 20210

REGISTER OF WAGE DETERMINATIONS UNDER
 THE SERVICE CONTRACT ACT
 By direction of the Secretary of Labor

LOCALITY	State: TEXAS	TX
	Area: 5/	

Alan L. Moss
 Alan L. Moss
 Director

Division of
 Wage Determinations

Wage determination number: 87-141 (Rev. 7)	Date: 01-07-90
--	----------------

Class of service employee	Minimum hourly wage	Fringe benefit payments			
		Health & Welfare	Vacation	Holiday	Other
36. Instructor	\$ 9.93				
39. Technical Writer	8.10				

Fringe benefits applicable to classes of service employees engaged in contract performance:

2/ 3/ 4/

- 1/ Does not apply to employees employed in a bona fide executive, administrative or professional capacity as defined and delineated in 29 CFR 541 (See 29 CFR 4.156).
- 2/ \$.59 an hour or \$23.60 a week or \$102.26 a month.
- 3/ 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 10 years; 4 weeks after 20 years. Length of service includes the whole span of continuous service with the present (successor) contractor, wherever employed, and with predecessor contractors in the performance of similar work at the same Federal facility. (See 29 CFR 4.173.)
- 4/ 9 paid holidays per year: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.)
- 5/ Collins (085), Cooke (097), Dallas (113), Delta (119), Denton (121), Ellis (139), Erath (143), Henderson (213), Hopkins (223), Hunt (231), Jack (237), Johnson (251), Kaufman (257), Lamar (277), Montague (337), Navarro (349), Palo Pinto (365), Parker (367), Rockwall (397), Smith (423), Tarrant (439), Wise (497), Wood (499), and Van Zandt (467) Counties.

Uniform Allowance: If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by State or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 a week (or 67 cents a day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

NOTE: The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conforming class of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming procedure shall be initiated by the contractor prior to the performance of contract work such unlisted class of employee. A written report of the proposed conforming action, including information regarding the agreement or disagreement of the authorized representative of the employees involved, or, where there is an authorized representative, the employer themselves, shall be submitted by the contractor to the contracting officer no later than 30 days after such unlisted class of employees performs any contract work. The contracting officer shall review the proposed action and promptly submit a report of the action, together with the agency's recommendation and all pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U. S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR 4).

NOTE: The duties of employees under job-titles listed are those described in the Service Contract Act Directory of Occupations, Second Edition, July 1986, unless otherwise indicated. See also 29 CFR Part 4 Section 4.152.

ATTACHMENT FIVE
Instructions
For Task 2-4

System Description

- o Support Resource Accountability
- o Plan and Schedule the Workload
- o Record Resource Expenditures
- o Currently Operational in Headquarters
- o Direct Result of Regionalization
 - One System For Fee Reporting
 - Consistent Reporting

TABLE OF CONTENTS

I.	OVERVIEW OF EDIT JOBS.....	1	✓
1.	IESCEDIT.....	1	✓
2.	Dummy Update.....	3	✓
3.	Feedback.....	3	✓
II.	RUNNING THE 766 EDIT JOBS.....	4	✓
1.	Edit.....	4	✓
2.	Feedback.....	6.1	✓
III.	INSERT TRANSACTION.....	7	
1.	Overview.....	7	
2.	Layout of Insert Transaction.....	9	
A.	Record type 1.....	9	
B.	Record type 2.....	12	
C.	Record type 3.....	13	
D.	Record type 4.....	14	
3.	Examples.....	15	
A.	Insert entire new inspection report.....	15	
B.	Add information to an existing report.....	18	
IV.	MODIFY TRANSACTION.....	19	
1.	Overview.....	19	
2.	Layout of Modify Transaction.....	20	
A.	Segment1.....	20	
B.	Segment2.....	21	
C.	Segment3.....	22	
3.	Element Reference Chart.....	23	
4.	Sample Modify.....	24	
V.	DELETE TRANSACTION.....	25	
1.	Overview.....	25	
2.	Layout of Delete Transaction.....	26	
A.	Segment1.....	26	
B.	Segment2.....	27	
C.	Segment3.....	28	

For modularized programs (see Section 171 for a list of modularized programs) use the applicable procedures (modules) that have been established in the 9200, 9300 and 9400 chapters for all types of reportable, nonroutine and unplanned activities. For all other programs that are not modularized use the "dummy" modules.

Use of these codes is on an interim basis pending incorporation of inspection requirements into the IE manual.

3.	Sample Delete.....	29
VI.	REPLACE TRANSACTION.....	30
1.	Overview.....	30
2.	Replace Command Procedure.....	31
3.	Layout of Replace Transaction.....	33
4.	Sample Replace.....	34
VII.	ERROR MESSAGES.....	35
1.	Reading Error Messages.....	35
2.	Error Message Directory.....	37
VIII.	RUNNING THE INSPECTOR AUDIT REPORT.....	55.2
XI.	DUMMY/VENDOR DOCKET FILE LISTING AND UPDATING.....	56
X.	DATA RANGES FOR IESCREDIT.....	58
XI.	EXTERNAL PARAMETERS.....	59
XII.	SYSTEM 2000 NOTES.....	61
1.	Database Structure.....	62
2.	Logging onto System 2000 under TSO.....	63
3.	Logging off System 2000 under TSO.....	65
4.	WYLBUR Batch Job.....	66
5.	Determining the Segment3-key.....	68
6.	Listing an Entire Inspection Report.....	69
7.	766 Database Component Description.....	71
8.	Mark IV JCL.....	76

reports, etc., then the percent of total effort should be based on what is applicable at that facility.) The percent should be rounded in multiples of 10, and must be cumulative to date. For example, if a module was reported 70% complete the first time it was inspected and the remaining 30% was completed on the second inspection, then the module status form documenting the second inspection would show a total of 100%, i.e., the actual total percent complete at the time of the report. 100% is the maximum entry.

Computation for Determining % Complete

Total Staffhours Expended Through Current Inspection, over the total estimated staffhours needed to complete module, times 100 equals the percent.

NOTE: Do not enter Percent Complete or Status on Form 766 for Module 30703, modules in the 92XXX, 93XXX and 94XXX series, or modules designated "When Required".

F. Status (Column 19)

For each module listed, indicate the appropriate status code, as follows:

Blank = Open: Leave open, this module is to be inspected further on a subsequent inspection.

C = Closed: If all line items for an inspection have been inspected, then the module should be closed. (Note: there are other situations when a module should be closed.)

L = Reopen and Leave Open: This code is used in cases where the inspector is able to do additional work on a previously closed module and now wants it left open indefinitely. By using the L code, the module is reopened and left open indefinitely or until the inspector decides to close it later.

P = Reopen for this Transaction Only: This code is used in a manner similar to the L code above, except that a module closed previously will be reopened to receive additional staffhours or a revised percent complete estimate for this one occasion only, and will then be closed.

I. OVERVIEW OF EDIT JOBS.

1) IESCEDIT

A. PURPOSE AND INTRODUCTION.

The IESCEDIT program is used to edit the transactions and transaction elements that are to be entered in the 766 system. The edit program is written according to the 1974 American National Standard COBOL language for the IBM370 computer. The program has been compiled and saved as an object module on an online disk pack so that the edit may be run in an "A" job category.

B. PRIMARY LOGIC.

The IESCEDIT edit program will sequentially process each of up to 999,999 records in card image. Each record is read, processed accordingly, and written to the edited file for processing in the 766 system. (Note: This is only true of the Headquarters edit run. The Region edit runs do not create an output file.) If any errors are encountered in transaction format, or in file design, or in any transaction element parameters, the IESCEDIT program will print the input record number, the transaction number, the column which begins the field in error, an error message, an error reference number, and the card image. The program will also take any steps necessary to continue processing. The edit program will scan each record one at a time until it encounters an "I" (Insert), "M" (Modify), "D" (Delete) or "R" (Replace) transaction. When a new transaction is encountered, the docket/license number is checked for validity. If the docket/license number is not valid, the transaction is rejected and the program will scan until the next "I", "M", "D" or "R" transaction is encountered. A transaction must have a valid docket/license number to be counted as a transaction and to be processed. If the docket/license number is valid the remaining fields of the transaction are edited for the corresponding field parameters, and any following records are processed accordingly. When the end of the transaction is reached, the edit program begins scanning for the next transaction.

C. EXTERNAL SOURCES.

The IESCEDIT program references external files to validate docket numbers, licence numbers, module numbers, and MPS organization codes. The following files are referenced:

- Licensing Facility Master File (ISAM)
- Ipeltmast Master File (ISAM)
- Material Master Cross Reference File (ISAM)
- Material Master File (ISAM)
- Module Edit Master File (ISAM)
- MPS Organization Code File (seq. ascending)
- Dummy Docket File (seq. ascending)

The DATEVAL subroutine on library has been brought in before the IESCEDIT program was compiled. The DATEVAL subroutine is used to check the validity of the dates that are given in the transactions.

2) IESCD05 - DUMMY UPDATE PROGRAM

The dummy update program checks the edited transactions from the IESCEDIT program against the 766 online database as follows:

- a) for I transaction, the docket and report combination is checked to make sure they do not exist on the database
- b) for M and D transactions, the keys are used to see if the record to be altered exists on the database.
- c) on M and D transactions for the second segment (module segment), multiple occurrences of the module within the docket report are checked whenever nothing has been specified in the module occurrence field. If multiple occurrences are found, then the module segments are listed out so that the occurrence number can be determined. These transactions should be run in a separate dataset.
- d) within an I group, all the B transactions are checked for duplication except for:
 - module 92701 or 92706
 - phase 2 modules with different module priority
 - modules having several violation or deviation text
- e) within the transaction file, there are no duplicate docket-report numbers.

3) FEEDBACK

The Feedback Report uses the 766 update transaction file as input and lists out the edited transactions in a format similar to the 766 form. The job should be run after a clean edit has occurred for the transaction dataset. Only the "I" and "M" transactions are listed in the report. The "I" transaction 'feedback' uses the facility or material file to list out supplemental information to the report. The "M" transaction 'feedback' displays how the record appears before and after the modify has been applied.

II. RUNNING THE 766 EDIT JOBS.

1. Edit

The edit job consists of three steps. The first step is the EDSIN. The EDSIN reads an edit format MYLBUR file and converts it into a formatted file to be read by the second step. The second step, IESCEDIT, validates the format of each transaction, performs edit checks on each field, and creates the edited transaction for updating the 766 database. The last step, the dummy update, checks the transactions against the database to ensure:

-) On an insert, the record does not already exist on the database
-) On a modify or delete, the keys exist within the database (i.e., able to find the record to update)
-) On an insert for a module (B transaction), duplicate modules are not found within an inspection report except:
 - a) the module is 92701 or 92706
 - b) the module is phase 2 and the module priority is different
 - c) the module has several violations or deviations.
-) For all inserts, the ducket and report number is not duplicated within the transaction file.

Run Procedure:

A. DATA SETS TO SAVE TRANSACTIONS FOR INPUT.

The data sets of 766 transactions should be saved on one of the NRC file packs using the following naming conventions:

WDC4III.DSSSMHW

III = Initials
MM = Month
W = Week Number

NOTE: Your transaction file should have consecutive integer MYLBUR line numbers. Otherwise the input card number (found in the error messages generated by the edit job) will not correspond to the MYLBUR line number of the error. To be sure that you have consecutive integer MYLBUR line numbers, just give the NUMBER command before you save your transaction file.

B. DATA SET TO RUN THE JESCEDIT PROGRAM.

The JCL to run the JESCEDIT edit program is saved as follows:

```
WDC5DCU.PROCLIB.CNTL(JESJEDIT) ON FJLESS
```

The input data set name in the //STEP1 line of this JCL must be modified to match the input transaction data set name above. The job can then be run.

C. Once the job is run, check the output from the edit and the dummy update to make sure that no errors were found.

a) the output from the edit consists of:

```

JESCEDIT DIAGNOSTICS:
TOTAL CARDS EDITED           000197
TOTAL INSERT TRANSACTIONS    000010
TOTAL MODIFY TRANSACTIONS    000000
TOTAL DELETE TRANSACTIONS    000000
TOTAL REPLACE TRANSACTIONS   000000
TOTAL TRANSACTIONS EDITED    000207
TOTAL ERRORS ENCOUNTERED     000000  DATA IS VALID
                                   FOR PROCESSING

```

The last message, should read as found above (TOTAL ERRORS ENCOUNTERED 000000 DATA IS VALID FOR PROCESSING)

b) the output from the dummy update should consist of:

```

BEGIN 766 DUMMY UPDATE PROGRAM
NO ERRORS FOUND
END OF 766 DUMMY UPDATE PROGRAM

```

D. If the edit job has run with no errors, call the Information Systems Support Section, RCF, at 492-4521. You will have to provide the following information:

1. data set name of the 766 transaction file
2. location of the data set.

A listing of the edit JCL for Region 5 is shown on the next page. The JCL for the other regions is similar to this one.

```

//SSWEDIT JOB (WDC4.563.A),'REGION 766 EDIT'
//*****
//
//          WDC5DCU.PROCLIB.CNTL(IESJEDIT) ON FILESS
//
//          766 EDIT AND DUMMY UPDATE USING A REGIONAL TRANSACTION
//          FILE
//          INPUT:  WDC4III.DSSSMHMW  ON NRCXXX
//                  III=INITIALS  MMM=MONTH  W=WEEK
//                  XXX=FILE NUMBER WHERE DATA STORED
//          OUTPUT:  DIAGNOSTICS ON PRINT OUT
//                  ERROR MESSAGES ON PRINT OUT
//
//*****
//TITLE=IESJEDIT RUN
//JOB LIB DD DSN=WDC5DCU.PGMLDLIB,UNIT=FILE,DISP=SHR
//PROCLIB DD DSN=WDC5DCU.PROCLIB.CNTL,UNIT=FILE,DISP=SHR
// DD DSN=WDCIBAD.PROCLIB,UNIT=FILE,DISP=SHR
//
//          MODIFY THE //STEP1 CARD TO CORRESPOND TO INPUT FILE
//
//STEP1 EXEC EDSIN,NAME='WDC4III.DSSSMHMW',DISK=NRCXXX,DLKSIZE=3120
//STEP2A EXEC IESEDITP
//S3 EXEC S2KRUN,PROG=IESC005,CORE=800K,LOADLIB='WDC5DCU.PGMLDLIB',
// LOADISK=
//
//          S3 PERFORMS THE DUMMY UPDATE TO THE DATABASE
//
//GO. LOCATE01 DD UNIT=SYSDA,SPACE=(CYL,(3,2))
//GO.IENF7661 DD DSN=WDC4SSW.IENF7661,DISP=SHR,UNIT=FILE
//GO.IENF7662 DD DSN=WDC4SSW.IENF7662,DISP=SHR,UNIT=FILE
//GO.IENF7663 DD DSN=WDC4SSW.IENF7663,DISP=SHR,UNIT=FILE
//GO.IENF7664 DD DSN=WDC4SSW.IENF7664,DISP=SHR,UNIT=FILE
//GO.IENF7665 DD DSN=WDC4SSW.IENF7665,DISP=SHR,UNIT=FILE
//GO.IENF7666 DD DSN=WDC4SSW.IENF7666,DISP=SHR,UNIT=FILE
//GO.IENF7667 DD DUMMY
//GO.TAPESCK DD DUMMY
//GO.EDIT DD DSN=88TRANS,UNIT=SYSDA,DISP=(OLD,DELETE)

```

2. Feedback Report

The Feedback Edit job consists of two steps. The first step is the EDSIN which reads an edit format dataset and converts it to a formatted file. The second step uses this file as input to produce the Feedback report. Only the "I" and "M" transactions are listed in the report. The feedback can be run once a 'clean' listing of the EDIT has occurred.

Run Procedure

1. Use the JCL.

```
USE FROM SHDC5DCU.PROCLIB.CNTL(IESJ018) ON FILE55
```

2. Modify the dataset name and location in STEP1 to correspond to the dataset name and location of your 766 update transaction file.
3. Run the job.
4. The output of the job will list out the transactions as follows:
I transaction - each transaction field is listed as it appears in the transaction file
M transaction - the segment is listed out first as it appears in the database and then how it will appear once the modify is applied.

A listing of the JCL follows on the next page.

```

//SSWFDBK JOB (WDC4.563,E.40), '766 FEEDBACK'
//*****
//
//          WDC5DCU.PROCLIB.CNTL(IESJ018) ON FILESS
//
//      JCL TO EXECUTE THE 766 FEEDBACK REPORT
//      INPUT:  WDC4III.DSSSMHW ON NRCXXX
//              III=INITIALS  MMM=MONTH  W=WEEK
//              XXX=SERIAL NUMBER OF NRC PACK
//
//*****
//.ROCLIB DD DSN=WDC5DCU.PROCLIB.CNTL,UNIT=FILE,DISP=SHR
// DD DSN=WDC1BAD.PROCLIB,UNIT=FILE,DISP=SHR
//
//      TO PUT INPUT DATA SET INTO TEMPORARY CARD FORMAT
//
//STEP1 EXEC EDSIN,NAME='WDC4III.DSSSMHW',DISK=NRCXXX,BLKSIZE=3120
//S2 EXEC S2KRUN,PROG=IESC01S,CORE=500K,LOADLIB='WDC5DCU.PGM1DLIB',
//
//S2 PRODUCES THE FEEDBACK REPORT
//
//  LOADISK=
//GO. LOCATE01 DD UNIT=S          SPACE=(CYL,(3,2))
//GO. IENF7661 DD DSN=WDC4SSW.IENF7661,DISP=SHR,UNIT=FILE
//GO. IENF7662 DD DSN=WDC4SSW.IENF7662,DISP=SHR,UNIT=FILE
//GO. IENF7663 DD DSN=WDC4SSW.IENF7663,DISP=SHR,UNIT=FILE
//GO. IENF7664 DD DSN=WDC4SSW.IENF7664,DISP=SHR,UNIT=FILE
//GO. IENF7665 DD DSN=WDC4SSW.IENF7665,DISP=SHR,UNIT=FILE
//GO. IENF7666 DD DSN=WDC4SSW.IENF7666,DISP=SHR,UNIT=FILE
//GO. IENF7667 DD DUMMY
//GO. TAPES2K DD DUMMY
//GO. EDIT DD DSN=&INPUT,UNIT=SYS0A,DISP=(OLD,DELETE)
//GO. OUT DD SYSOUT=A
//GO. MATERIAL DD DSN=WDC4MCL.MMMFMAST,DISP=SHR,UNIT=FILE,
// VOL=SER=NRC001,DCB=DSORG=IS
//GO. FACILITY DD VOL=SER=NRC001,DSN=WDC1BLE.D1207317,DISP=SHR,
// DCB=DSORG=IS,UNIT=FILE

```

1. OVERVIEW

A. INSERT TRANSACTION "I" RECORD.

When an "I" transaction is encountered with a valid docket/license number, the remaining fields of the record are edited according to their respective parameters unless you want to insert additional information to an existing docket report. If any errors encountered in these fields an error message is printed and processing continues. The docket/license number specified is used as the key to locate any supplemental fields in the external ISAM files. These supplemental fields, when required, are copied to the end of the Insert transaction "I" record and edited for their appropriate parameters. If these fields are invalid in the external ISAM files, an error message is written, the transaction is rejected, and the program begins searching for the next transaction. In this case, the external ISAM file requires correction before the transaction can be processed.

Whenever you need to add module or tax information to an existing record, a special case of the "I" transaction is used. This "I" transaction will only contain the transaction type, docket/license number and report number. No other information should be included.

B. INSERT TRANSACTION "B" RECORD.

Following the processing of the "I" record of an Insert transaction, the edit program will immediately search for one or more "B" records. At least 1 and up to 99 "B" records must follow every Insert transaction "I" record. If a "B" record is not present, the transaction will be rejected from that point, and the edit will search for the next transaction. If a "B" record is present, the remaining fields of the record are edited and processing continues.

C. INSERT TRANSACTION "S" RECORD.

The "S" record is used to indicate the beginning of a body of text following the corresponding "B" transaction. After each "B" record, the program will look for either 1) the corresponding text, 2) another "B" record, 3) a new transaction, or 4) the end of the file. If an "S" record is encountered following a "B" record, the following lines are considered to be text and processed as such. There may only be one "S" record and one body of text for each "B" record. If you have more than one violation or deviation for a particular module (type 'B' record), you will have to repeat the type 'B' record and then the body of text for the additional violation or deviation.

C. INSERT TRANSACTION "S" RECORD.

The "S" record is used to indicate the beginning of a body of text following the corresponding "B" transaction. After each "B" record, the program will look for either 1) the corresponding text, 2) another "B" record, 3) a new transaction, or 4) the end of the file. If an "S" record is encountered following a "B" record, the following lines are considered to be text and processed as such. There may only be one "S" record and one body of text for each "B" record. If you have more than one violation or deviation for a particular module (type 'B' record), you will have to repeat the type 'b' record and then the body of text for the additional violation or deviation.

D. INSERT TRANSACTION TEXT.

If an "S" record is encountered, the following records will be processed as lines of text until a delimiter "&END&" is encountered. If no "&END&" is encountered after 48 lines of text, an error message is written, and the program begins searching for the next transaction. When an "&END&" is encountered, the edit will look for either 1) the next "B" record, 2) a new transaction, or 3) the end of the file.

Note: Unlike all other transaction records, lines of text must begin in column 2.

2. LAYOUT OF THE INSERT TRANSACTION

A. Insert Transaction Record Type 1

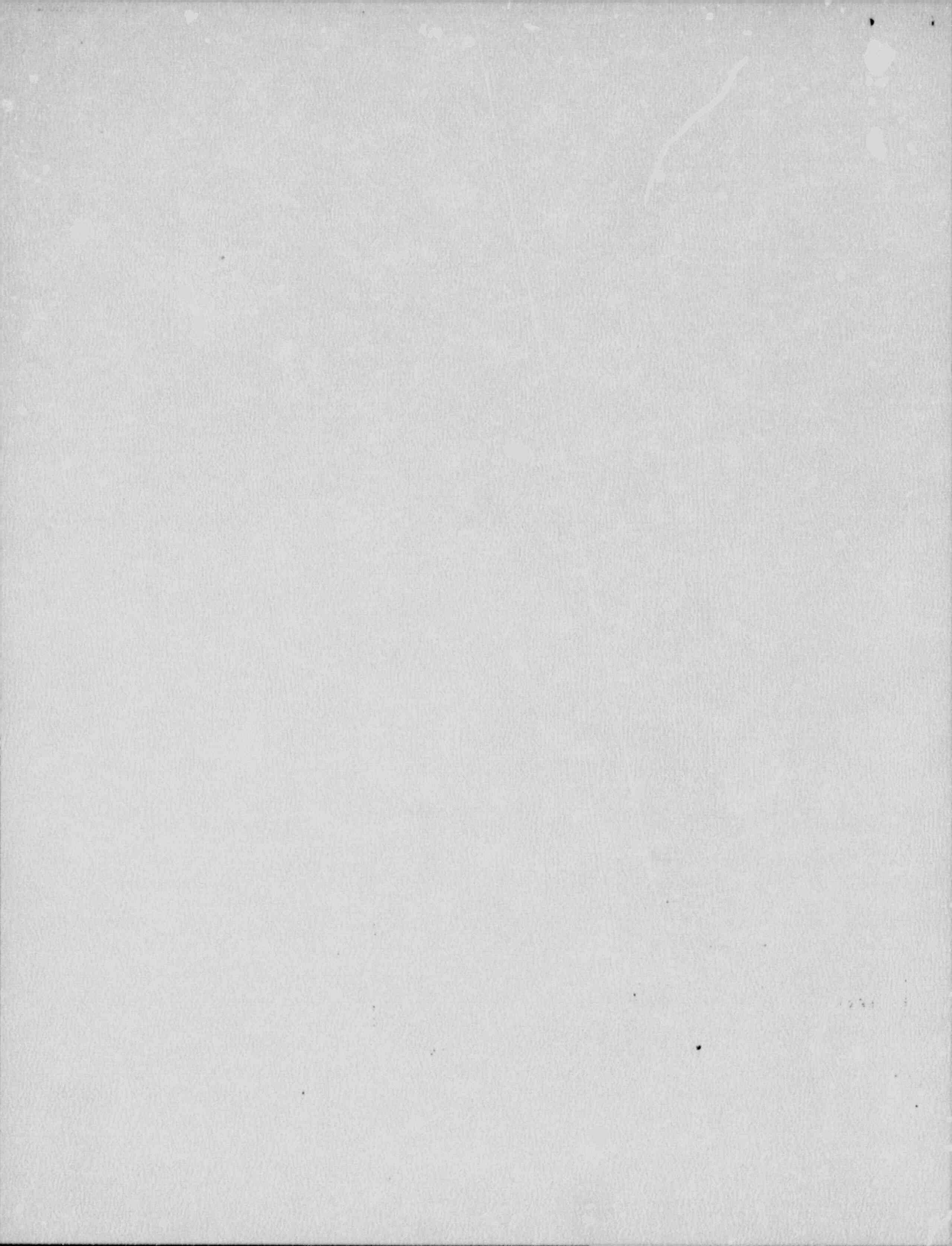
FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1*	1	TRANSACTION TYPE 1 = INSERT
2*	13	DOCKET/LICENSE NUMBER DOCKET NUMBER LICENSE NUMBER
15*	4	REPORT NUMBER NUMERIC FIRST 2 DIGITS = CURRENT YEAR LAST 2 DIGITS = 01-99 00 - for a dummy report number
19	1	REPORT SEQUENCE (optional) A-D, blank
20	6	FROM DATE OF PERIOD OF INQ/INVEST/INSP MMDDYY
26	6	TO DATE OF PERIOD OF INQ/INVEST/INSP MMDDYY
32	1	INSPECTION PERFORMED BY CODE 1 = REGIONAL OFFICE STAFF 2 = RESIDENT INSPECTOR 3 = PERFORMANCE APPRAISAL TEAM OTHER: 4 = BOTH REGIONAL OFFICE STAFF AND RESIDENT INSPECTOR 5 = EMERGENCY PREPARENESS APPRAISAL TEAM 6 = CONSTRUCTION INSPECTION TEAM 7 = HEALTH/PHYSICS APPRAISAL TEAM
33	1	REGION CONDUCTING ACTIVITY 1 = REGION 1 2 = REGION 2 3 = REGION 3 4 = REGION 4 5 = REGION 5 9 = HEADQUARTERS

* ONLY INFORMATION TO BE INCLUDED IF YOU ARE ADDING MODIFIES OR SEVERITY/DEVIATION INFORMATION TO AN EXISTING INSPECTION REPORT

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
34	1	DIVISION 0, A-D
35	1	BRANCH CODE 0-9, A-Z
36	1	REGIONAL ACTION CODE 1 = NRC FORM 591 2 = REGIONAL OFFICE LETTER BLANK = NOT APPLICABLE
37	2	TYPE OF ACTIVITY CONDUCTED 02 = SAFETY 03 = INCIDENT 04 = ENFORCEMENT 05 = MANAGEMENT AUDIT 06 = MANAGEMENT VISIT 07 = SPECIAL 08 = VENDOR 09 = MATERIAL ACCOUNT 10 = PLANT SECURITY 11 = INVENTORY VERIFICATION 12 = SHIPMENT/EXPORT 13 = IMPORT 14 = INQUIRY 15 = INVESTIGATION
39	1	FINDINGS OF INSPECTION/INVESTIGATION 1 = CLEAR 2 = VIOLATION 3 = DEVIATION 4 = DEVIATION AND VIOLATION
40	2	TOTAL NUMBER OF SEV-DEV TEXT IN TRANSACTION 00-99 BLANK = 00
42	1	ENFORCEMENT CONFERENCE HELD 1 = YES BLANK = NO
43	1	REPORT CONTAINS 2.790 INFORMATION 1 = YES BLANK = NO
44	6	DATE NRC FORM 591 OR REGIONAL LETTER ISSUED MMDDYY BLANK = NOT APPLICABLE

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
29 *	1	SEVERITY SUPPLEMENT 1 = REACTOR OPERATIONS 2 = FACILITY CONSTRUCTION 3 = SAFEGUARDS 4 = HEALTH PHYSICS 5 = TRANSPORTATION 6 = FUEL CYCLE & MATERIALS OPERATIONS 7 = MISCELLANEOUS MATTERS BLANK = NOT APPLICABLE

*Minimum information to be included if there is more than one violation or deviation for a particular module.



FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	RECORD TYPE S

FIELD LOCATION	FIELD LENGTH	FIELD USAGE	FIELD PARAMETERS
2	50	TEXT	MAXIMUM OF 48 LINES FOR EACH TEXT 50 CHARACTERS PER LINE, BEGINNING IN COLUMN 2.
DELIMITER FOR INSERT TRANSACTION RECORD TYPE 4			
1	5	TEXT DELIMITER &END&	NOTE: When coding deviation text, the first 5 positions of the first line of text should contain the deviation code, left justified.

Frequently during a routine inspection visit, a review will be made of the status of previously identified enforcement matters, reported incidents or abnormal occurrences and other matters identified for followup review.

b. Incident (03)

Unscheduled inspections performed as a result of an incident or reported by others as having occurred at a licensed facility or associated with some aspect of a licensee's activities, involving construction deficiencies, equipment failures, exposure to radiation, release of radioactive materials, loss of use of facility, property damage, accidental criticality, contamination problems, loss or theft of material, transportation, and similar types of unusual or unforeseen events.

c. Enforcement (04)

Nonroutine inspections performed for the exclusive purpose of reviewing in a timely manner a licensee's corrective action or response to a significant item of violation identified during a previous inspection. Such inspections may be performed prior to or subsequent to the issuance of a notice of inspection findings to the licensee.

d. Management Audit (05)

Comprehensive team inspections, scheduled as a result of programmatic requirements or as a result of inspection findings which focus on the management aspects of facility licenses for purposes of ascertaining how the corporate entity, as an NRC licensee, is organized to effectively implement regulatory requirements as they relate to nuclear safety.

e. Management Visit (06)

Those periodic visits to facilities, performed as a result of programmatic requirements, the main purpose of which is to inform the licensee management of IE inspection practices and methods. Such visits normally occur shortly after a utility has indicated to NRC that it will or intends to apply for a construction permit and whenever the inspection responsibility shifts between various groups or branches in a Regional Office. The visits do not involve fact gathering activities.

f. Special (07)

Nonroutine inspections performed when it appears that significant regulatory requirements are not being fully complied with, or when potential safety items have been identified, and prompt resolution of matter is required by the licensee to assure continued safe operations.

A special inspection may include the performance of supplemental inspection items.

g. Vendor (08)

Inspection activities performed of those companies or organizations which comprise the architect-engineer, nuclear steam system supplier, and component supplier groupings identified in the vendor program, or the continuation of such vendor inspections that might be conducted at a licensed facility.

h. Material Control and Accounting (Matl Acct) (09)

Inspections performed in the areas of material control and accounting and licensee measurement programs covering all components of measurement used for material control and accounting purposes. (Safeguards only)

i. Plant Security (10)

Inspections performed for physical protection of SNM of fix sites and of plants in which SNM is used for the purpose of protection against acts of industrial sabotage and thefts of SNM.

j. Inventory Verification (11)

Inspection performed to evaluate licensee programs for accounting of SNM and for the conducting of physical inventories in order to provide independent assurance that the licensee's program is capable of detecting losses or diversion of SNM.

k. Shipment/Export (12)

1. Shipment (of SNM)

Inspections performed in the area of physical protection of and SNM in-transit for the purpose of protection against theft and sabotage.

2. Export (of SNM)

Inspections and independent verification to determine the element and isotopic content of all exports of SNM to assure integrity of such shipments and to ascertain whether physical security requirements are being met.

1. Imports (of SNM) (13)

inspections and independent verifications to determine the gross quantities and integrity of import shipments of SNM to assure that the licensee, upon receipt of the shipment takes required actions.

042 Inquiry (14)

An inquiry is an activity wherein a minimum amount of investigative technique (telephone, correspondence, or in-office review of material) is used to determine if an investigation, a routine or special inspection, or no action is required as a result of (1) an allegation, complaint or report related to licensed facilities or materials, or materials subject to licensing or (2) inaction by a recipient to an order issued by NRC (see MC1210 for further information).

043 Investigation (15)

An investigation is an activity conducted in response to a complaint, incident or an allegation to gather, correlate and evaluate material in depth for the purpose of establishing the cause, nature, extent and particulars of a condition or occurrence; the status of compliance with Regulatory Requirements; adequacy of actions being taken by a licensee; assistance needed by a licensee; and corrective actions needed to minimize or preclude such conditions or occurrences. An investigation for matters other than a complaint or allegation may be requested by IE:HQ.

0535-10 INSTRUCTIONS - GENERAL

101 Use of 766/766A Forms

The 766/766A forms are designed so that when inspections of the same activity types are conducted, they can be recorded on the same form. If each inspection action is unique, a separate form 766/766A is prepared. Whenever items of violation or deviation have been identified in the report to the licensee, a 766A form must be completed.

102 Report Numbering System

The numbering system for activities will be as follows:

The combination of the docket number and report number is the controlling identification for each activity reported to the 766 system.

- a. For each licensee, facility, or vendor the first inspection, investigation or inquiry conducted in each calendar year will commence with the number 01 preceded by the last two digits of the year and run consecutively throughout the year, i.e., the first report for any activity related to a particular licensee, vendor, applicant, etc., for 1981 will be 8101 and the second report will be 8102, etc. One numbering system covers inspections, investigations and inquiries.
- b. For persons other than licensees, applicants and vendors, each inspection, investigation or inquiry report must have a unique report number within each regional office. The first such report for each calendar year will commence with number XX01, the second report XX02 (where XX represents the year - 80, 81, etc.), regardless of the fact that different individuals or organizations may be the subject of the activity (see also Section 0533-153 and 154).
- c. The revised 766/766A Forms minimize administrative paperwork for inspectors. Inspectors may now enter results of several inspections, where types of activity conducted are identical, on a single form. However, a separate report number must be issued for each inspection.
- d. For "assist" inspections, the Region responsible for corresponding with the licensee (issue a 591 or letter) will complete and input the data on the 766 file. Care must be taken to coordinate with the Region holding the license that a correct report number is given to the activity. Only one unique report number for each activity is allowed in the computer system (duplicate report numbers for a particular docket number will cause the record to be rejected). Regions involved in inspections of licenses with multiple locations of use must coordinate on the report numbering system. For example, a Region I license having authorized places of use in Region I and Region III requires that Region I assign a report number to Region III for those inspections conducted by Region III.

- e. For inspections performed by a Resident Inspector or a Performance Appraisal Team the regional office in which the inspection was performed will be responsible for assigning a Report Number and performing the 766 data entry functions. The 766/766A forms should be completed by the Resident Inspector or Performance Appraisal Team and sent to the appropriate regional office.

103 Submitting Completed Forms

Completed Forms NRC 766 and NRC 766A are to be reviewed by the Regional Information Systems Coordinator before being entered into the computer system. Completed forms should be entered into the computer on a weekly basis. This will result in a quicker update to the 766 file and therefore, more timely access to the data. The Form is considered complete when the Regional Office has entered data in all required sections and:

- a A Form NRC-591 is issued; or
- a A letter (report) has been sent to the licensee following an inspection or investigation.

104 Attachments to MC 0535

Enclosure A - Form NRC 766

Enclosure B - Form NRC 766A

0535-15 PREPARING FORM NRC 766 - FRONT SIDE (Columns 1/55)

The supervisor of the principal inspector who is in direct charge of the inspection/investigation/inquiry is responsible for what appears on the Form NRC 766. These parts of the form completed by the regional office staff can be filled out by anyone in the regional office, including the clerical staff. Nevertheless, the individual-in-charge (the principal inspector or senior resident) should review the form for correctness. The following are the items on the NRC 766 form and the instructions for completion:

151 Identifying Information

The Licensee/Vendor Name, Principal Inspector, Inspector(s) (for this inspection, etc.) and the Reviewer items at the top of the page are to be filled in but the data is not captured by the computer. This space has been provided for regional office use and the items are self-explanatory.

152 Transaction Type (Column 1)

The four transaction types used to capture and maintain data in the 766 data base are:

- * Insert -- to add a new record to the data base
- * Modify -- to alter information in the data base
- * Delete -- to remove a record from the data base
- * Replace - to rewrite textual data in the data base

Detailed instructions on these transactions are found in the User's Guide.

153 Docket Number or License Number (By-Product) (Columns 2/14)

The appropriate 8 digit numeric Docket Number (e.g., 03004960, 05000341) or project number (00000476) for nondocketed facilities is recorded for all activities involving reactors, special nuclear material, source and priority I material licensees. For material licenses other than priority I it is preferable that the appropriate 030XXXXX docket number be used; however, the By-Product License Number can be recorded on the form and the corresponding Docket Number will be entered by the computer.

The License Number must be entered exactly as it appears on the license (include hyphens, leading zeros and left justify).

Examples: 45-00317-OIE
SUB-520
XSNM-453

Docket numbers for vendors and A/E's are the unique 999XXXXX number for each.

The docket number to be recorded for a nonlicense is 9999000R, where R is the numeric region number (e.g., for Region I - 99990001, Region II - 99990002, etc.).

The Docket Number is one of the key fields that uniquely defines the records in the system. Be extremely careful not to make errors in coding as a time consuming manual correction effort will result.

154 Report Number (Columns 15/18)

The appropriate 4 digit numeric (e.g., 8101) Report Number should be recorded with the first 2 numerals for the calendar year and the second 2 numerals for the report. Refer to 0535-102 above for a more detailed explanation of the report numbering requirements.

Within each region the reports for nonlicensee docket numbers (e.g., Region I 99990001) must be uniquely numbered, commencing with XX01 for each calendar year.

The Report Number is one of the key fields that uniquely defines the records in the system so be very careful not to make coding errors.

155 Alpha Sequence Codes (A, B, C, D) (Column 19)

When there is more than one inspection of the same type performed, the alpha sequence codes are used in recording data of different dockets on the same form. When filling out the form, the inspector should pay special attention to the docket/license number, Columns 2-14; inspection/investigation findings, Column 39; total number of violations and deviations, Columns 40-41; enforcement conference held, Column 42; report contain 2.790 information, Column 43; and tracking information and on 766A, site related, Column 26.

156 Next Inspection Date (optional)

This date is supplied by the inspector after a material license inspection is performed. It is used by the MIS Coordinator to update the material master file only.

157 Period of Investigation/Inspection (Columns 20/31)

If the effort began and ended on the same date, enter this date in both Columns (20/25) and (26/31).

a. From Date (Columns 20/25)

Enter the date that the activity began in the format MMDDYY including leading zeros (e.g., 010181, 100181). If out-of-office direct effort was involved, enter the date it began but do not include travel time. If no out-of-office effort, enter the date in-office direct effort began.

b. To Date (Columns 26/31)

Enter the date that the activity ended in the format MMDDYY including leading zeros (e.g., 011681, 100681). If out-of-office direct effort was involved, enter the date it ended but do not include travel time. If not out-of-office, enter the date in-office effort ended.

158 Inspection Performed By (Column 32)

Check the appropriate box to indicate whether the inspection was performed by the regional office staff, a resident inspector or a performance appraisal team member. If an inspection is performed by a combination of any of the above persons or groups, then the principal inspector should prepare the 766/766A forms. He should indicate the unique modules inspected and obtain a report number from the appropriate source. NOTE: Box Other has been added to accomodate additional groups which perform inspections. Codes for special inspection groups include: (4) combination inspection by regional staff and resident inspector (5) emergency preparedness appraisal team, (6) construction inspection team, (7) health/physics appraisal team. Other codes for additional special inspection groups will be furnished by Headquarters.

159 Organization Code of Region/HQ Conducting Activity (Columns 33/35)

The organization code will be adapted from the MPS code Appendix B, Chapter 0930 and will include the region, division and branch.

a. Region (Column 33)

Enter the MPS IE HQ/Region Identification code for the Region conducting the activity, whether or not the facility listed in Columns 2/14 is in that region.

b. Division (Column 34)

For the division code, enter the MPS first organizational subdivision with IE HQ/Region code.

c. Branch (Column 35)

For the branch code, enter the MPS second organizational subdivision with IE HQ/Region code.

1510 Regional Action (Column 36)

For inspections and investigations record the completing action by checking the appropriate box. Leave blank if report sent to HQ for action.

1511 Type of Activity Conducted (Columns 37/38)

Check only one box. (See Sections 041-043 for definitions.)

1512 Inspection/Investigation Findings (Column 39)

For inspections and investigations check only one box to record the appropriate findings. If there are no items of violation, the inspection should be checked as Clear (Box 1).

1513 Total Number of Violation and Deviation (Column 40/41)

Record the number of cited items of Violation and Deviation for the docket in the letter to the licensee.

1514 Enforcement Conference Held (Column 42)

Indicate by checking this box whether an enforcement conference was part of the inspection. If the purpose of the activity was for enforcement the Type of Activity, Columns 37/38, box 04 should be checked along with this box, if applicable.

1515 Report Contains 2,790 Information (Column 43)

This column should be checked only when there is a text within the report that has been marked as "except".

1516 Letter or Report Transmittal Date (Columns 44/55)

The Report Transmittal Date must be greater than or equal to the To Date (Columns 26/31).

a. NRC Form 591 or Regional Letter Issued (Columns 44/49)

Enter the date that the letter or Form 591 was sent to the licensee by the regional office in the format MMDDYY including leading zeros (e.g., 020181, 110181).

b. Report Sent to HQ for Action (Columns 50/55)

Report Sent to Headquarters for Action - Do not enter any information in this column unless the report is sent to Headquarters for enforcement action or, for an inquiry. Enter the date in the format MMDDYY including leading zeros (e.g., 020181).

0535-16 PREPARING MODULE DATA

The following programs are currently modularized and the appropriate module numbers should be used for reporting purposes instead of dummy module numbers.

MC-2500 Reactor Inspection Program

- 2510 Light Water Reactors
- 2520 HTGR
- 2540 Research Reactors (Effective 01/01/77)

MC-2600 Fuel Cycle Facility Inspection Program

- 2610 Reprocessing Facilities
- 2620 Plutonium Facilities
- 2640 Uranium Facilities
- 2650 UF-6 Conversion Facilities
- 2660 Uranium Mills
- 2670 Fuel Receiving & Storage Facility
- 2680 Fuel Facility Safeguards Inspection program

MC-2700 Licensee Contractor & Vendor Inspection Program

- 2710 Nuclear Steam System Suppliers
- 2720 Architect Engineering Firms
- 2730 Independent Suppliers
- 2740 Third Party Inspection Organizations

MC-2800 Materials Inspection Program

- 2820 Processors and Distributors
- 2830 Radiography
- 2840 Waste Disposal
- 2850 Industrial, Academic, Environmental, Source Material and SNM
(other than Fuel Cycle Facilities covered by MC 26XX series,
Other specific licenses
- 2860 Medical
- 2870 Shipping Casks, Transportation

This part of the form has been developed to provide a vehicle for the recording and collection of basic data concerning the status of the inspection program as applied to each individual facility. The data recorded on Form NRC 766 will be stored in the 766 file for future reference and analysis.

The Module Information part of the form will also be used to relate all cited items of violation listed in enforcement correspondence to a specific procedure (module) or a programmatic function or activity (dummy module) as discussed in Enclosure C.

In all instances where violation is listed a module number must be recorded on the form.

The use of this form will require that, for each inspection performed the inspector record:

- a. What modules were inspected,
- b. What modules were completed,
- c. What modules were left open,
- d. How much of each module has been (cumulative) inspected (%), and
- e. How much time was spent.
- f. Priority ranking of each Inspection Procedure

Do not code violation against modules which are intended to inform the licensee of our programs, summarize inspection results (such as 30702, 30703, 30800) or followup on actions or events for which violation would be charged to an inspection module. Indicate which module, other than the three types specified above, was in violation.

161 Form Processing

The Module Information portion of the Form NRC 766 provides for the recording of information on each module inspected and relates it to the inspection trip and report. For each module number entered on the form, the status, the percent complete, and the professional staffhours expended are recorded.

A specific module must be listed on the 766 whenever any time has been expended on it during the inspection.

The specific data elements present on the form are to be completed as follows:

162 Record Type B (Column 1)

The "B" should be entered in column one to indicate a module record.

163 Record Number (Columns 2/3)

The record number is the numerical sequence in which data is stored in the file and must be supplied by the MIS Coordinator.

164 Module Number (Columns 4/10)

The seven-digit number assigned to this inspection module. The module number is composed of four parts: Phase, Manual Chapter, Procedures, and Level of Effort, for a total of seven positions.

A. Phase (Column 4)

A number from 0 to 7 indicating the phase of the module assigned by the Manual Chapter. Phases 1 to 7 are LWR phases and Phase 0 is for dummy modules:

- Phase 0 = Dummy Module (see enclosure C, page 21)
- Phase 1 = Pre-CP
- Phase 2 = Construction
- Phase 3 = Pre-Operation
- Phase 4 = Startup and Power Ascension
- Phase 5 = Operation
- Phase 6 = Decommission
- Phase 7 = Major Modification Work

B. Manual Chapter/Procedure Number (Columns 5/10)

The five digit number from the I&E Manual which identifies the discrete inspection manual chapter and procedure being documented.

Level of Effort - The one alpha character corresponding to the A, B, or C level of effort to be expended. This may not be applicable for various modules.

NOTE: A module number may be entered on the individual 766 form only once. The recording of a module number more than once is not valid except in the case of module number 701B.

C. Priority (Column 12)

For the construction program enter the priority ranking from MC 2512 using arabic symbols (either 1, 2, or 3). For all other programs leave blank.

D. Direct Inspection Effort in Staffhours Expended This Inspection (Columns 13/15)

For each module listed indicate the total professional staffhours of direct inspection effort expended on completion of the line items in this module during the period covered in this report by all inspectors who participated. Only WHOLE

HOURS are recorded. The system does not accept tenths of hours. Therefore, for any inspection involving two or more modules it may be necessary to show 0 hours for some modules on the 766 form so as not to distort the distribution of time spent on modules or to inflate the total time actually spent on the inspection. For example, if the total site time is in the order of 1 or 2 hours, the 15 or 20 minutes spent on 30703 should not be rounded up to 1 hour. A distorted picture of the inspection could result.

The following guidance is suggested to prevent introduction of misleading site (Direct Inspection Effort) hours into the 766 system. Record 0 hours against 30703 if the total man-hours of direct inspection effort for an inspection is less than (a) 2 hours, or (b) 4 hours and less than 1/2 hour is spent on 30703. The total inspection time should be recorded against the major inspection module used.

The regional staff will have to exercise judgement on other variations, such as use of 9xxxx modules and different combinations of program inspection and exit interview time, in order to maintain a correct balance of recording time against modules so as not to exceed the total time actually spent conducting an inspection.

The only staffhours to be reported here are as follows:

1. Out of Office Inspection Effort, which includes onsite and offsite inspection effort, and
2. In Office Inspection Effort, which includes the inspection of licensee records; fact-gathering activities which are more efficiently performed in the office than at the licensee's facility; and an extension of the field inspection process, but performed in the office.

Only the time actually required to complete inspection of the line items contained within a specific module should be attributed to that module. In the event problems or potential problems are identified during the completion of a module, the time expended in resolving the problem should be attributed to the appropriate follow-up module 92701B.

NOTE: Direct inspection effort does not include preparation for an inspection; documentation of and reporting the results of the inspection; preparation of regular and enforcement correspondence; or travel to and from the site.

E. Percentage Completed to Date (Columns 16/18)

For each module listed, the percent complete is a judgement on the part of the inspector reflecting the amount of effort expended as a percent of the total effort to be eventually required as defined by the Manual. (In instances where all the individual line items of a procedure cannot be accomplished because of the nonexistence of referenced systems, components,

G. Modules requiring followup (Columns 20/26.

When a problem or potential problem is identified by the inspector during the completion of a module, the time expended in resolving the problem or potential problem should be attributed to Module 92701B (Follow-up on Inspector Identified Problem). The module being inspected when the problem or potential problem is identified should be recorded in the column "Module Req. Follow-up". Each module requiring follow-up should be documented on a separate line on the module information portion of the 766 form.

H. Guidance for use of Module 92701.

Any time spent following up on what are normally referred to as "unresolved items", or other time spent on resolving problems identified during accomplishment of a specific module should be reported under 92701 with the appropriate module listed as requiring follow-up. As an example, during the review of log books specified in 71710 - Review of Plant operations, the inspector may infer that the number of inoperable control rods exceeds the limit specified in technical specifications. The time expended for follow-up inspection effort on the control rod problem is reported under 92701 with 71710 listed on form 766 as the module requiring follow-up.

In contrast, a situation may arise which is totally unrelated to the module(s) being inspected. As an example, if during the conduct of the inspection procedure 71710, an explosion occurred in the OFF-GAS system at a BWR facility, the inspection time expended for the follow-up on this unplanned event will be charged against 93701 - follow-up on significant event that occurs during inspection. Conduct of the inspection procedure 71710 in no way leads to the identification of the "problem".

On the form 766A for Harris 2 enter "S" in box A, entitled Site Related.

On the form 766A for Harris 3 enter "A" in box B, entitled Site Related.

174 Text (Columns 2/51)

For each violation or deviation begin the text with the statement "Contrary To" and specify the specific guide or standard that the text refers. Provisions have been made for capturing up to 2400 characters of text of violation and deviation items. Should the actual text of the item, in appearing in either the enforcement letter or the report details, exceed this number it will be necessary to paraphrase the item to keep within 2400 characters. Nothing precludes paraphrasing all such items, but it should be recognized that the wording will be used verbatim as the input to the Enforcement Status of the "Rainbow" books.

a. Violation

Each violation must be described in detail to include the applicable requirement and the factual information that demonstrates that a violation existed. (The requirement should be referenced, not described. If cited, this item should appear essentially as it appeared in the enforcement letter to the licensee. The text should be developed in accordance with the instructions in Chapter 1000.

If the violation is associated with a NRC Form 591, the text is to be the statement of the violation as it appears in the NRC Form 591. For example, the text of a citation for failure to post a radiation area would be "Rooms or areas were not properly posted to indicate the presence of a radiation area."

b. Deviation

Each deviation must be described in detail to include the item not complied with and the factual information that demonstrates that a deviation existed. The first five positions in the text should contain the deviation code. In general, the applicable commitment, code, guide, standard or acceptable practice should be referenced, not described. Usually, the reference must be specific. In some cases, in order to clarify the applicable commitment, code, guide or standard, it may be necessary to provide a brief description in addition to the reference. This item should appear essentially as it appeared in the letter to the licensee. The text should be developed in accordance with the instructions in Chapter 1000, Manual Chapter 1005, Section 1005.25.

B. Deviation (Column 27)

When a licensee does not conform to commitments to the Commission, or to the provisions of guides, codes and standards or to acceptable practices which were approved by the Commission and made available to the licensee and such lack of conformity does not constitute a violation, then it is referred to as a "deviation". A "D" is entered in Column 27 whenever a deviation has been found. The actual deviation code should be placed in the first five positions of the deviation text. (See Section 174, Text, for more details about the textual information.)

173 Site Related (Column 28)

In some instances, during an inspection trip at a multi-unit power reactor station, a specific item of violation or deviation is found that does lead to a citation against more than one unit at that station.

When the above situation occurs:

1. Enter "S" in the box entitled Site Related (beginning with Box A) on 766A form for one unit only.
2. On each additional unit at that same site, enter "A" in the succeeding boxes entitled Site Related.

NOTE: Example 1. During an inspection at the Dresden site a violation or deviation is identified which is charged to units 1, 2, 3.

On the form 766A for Dresden 1 enter "S" in box A, entitled Site Related.

On the form 766A for Dresden 2 enter "A" in box B, entitled Site Related.

On the form 766A for Dresden 3 enter "A" in box C, entitled Site Related.

NOTE: Example 2. During an inspection at the Harris site, a violation or deviation is identified which is charged to units 2 and 3, but not 1 and 4.

ENCLOSURE C (REVISION II)

DUMMY MODULES (PROCEDURE) NUMBERS

Use of these modules, in the absence of an appropriate procedure number for those programs currently modularized, is required for each inspection and investigation (see Section 171 for a list of modularized programs). The purpose of the dummy module number is to provide a record of the direct inspection effort and related violation associated with those specific (or general) programmatic functions or activities conducted by IE which are not presently modularized.

The modules are to be used for all activities whether clear or not clear. For each dummy module entered on the 766 Form, record the hours of direct inspection effort and any violation according to the instructions under MC 0535 Sections 163. The use of these modules will enable the field inspection staff to further define the nature of the various activities. The Phase in the Module Number Inspected field must always contain a zero (0) when a "dummy" module number is being used.

List of "Dummy" Modules

<u>Module Identification</u>	<u>Module Number (Including Phase)</u>
Abnormal Occurrence	099001
Emergency Planning	099002
Environmental Protection	099003
General Health & Safety	099004
Material Control & Acc't	099005
Nuclear Safety	099006
Plant Security	099007
Radiological Protection	099008
Reactor Construction	099009
Reactor Safety	099010
Transportation	099011
LWR's Under Construction (to be deleted)	099012
LWR's Being Decommissioned	099013
Investigations	099014
3 Mile Island Inspections Per Sandia Study	099015
Test & Startup (Region II)	099016
Vendor Inspection	099017
HTGR - Power Ascension Phase (Region IV)	099018
Feasibility Study of Independent NDE	099019
Construction Deficiency Reporting - 50.55(E)	099020
Systematic Assessment of Licensee Performance	099021

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

INSPECTION AND ENFORCEMENT MANUAL

CHAPTER 0500

MC 0535 - STATISTICAL DATA REPORTING (766 COMPUTER SYSTEM)

0535-01 PURPOSE

The 766 computer-based information system has been developed to improve organizational effectiveness and efficiency in the areas of collection, processing, retrieval, analysis and management of inspection related data. This data, a combination of statistical, planning and textual information, is recorded on Forms NRC 766 and 766A.

This chapter provides the instructions for the completion and handling of the Forms NRC 766 and 766A for the various statistical, planning and textual data concerning inspection, investigation, inquiry, and associated enforcement actions conducted by the Office of Inspection and Enforcement. The instruction also discusses the responsibilities of the appropriate persons for filling out the forms.

0535-02 BACKGROUND

The 766 System is a management tool used to capture, maintain and report statistical and planning data concerning inspection, investigation, inquiry activities, and associated enforcement actions conducted by IE. The data is captured via the Forms NRC 766 and NRC 766A and maintained on a computer disk file at the National Institutes of Health (NIH) Computer Center. The 766 forms are used to record basic statistical data concerning each inspection, investigation or inquiry, related Module Tracking information, violation statistics and the text related to each item of violation and deviation.

The forms function as computer input forms and, accordingly, information must be recorded in strict compliance with certain conventions and criteria as discussed later in this chapter. Incomplete, inaccurate or illegible data entered on either form will result in the introduction of faulty data into the statistical data base. The result of faulty data will be extra staffhours of regional inspector, and Region Computer Staff and headquarters personnel time to trace and correct the errors.

0535-03 OBJECTIVES

031 General

The System has been designed to record in one place pertinent management-oriented information for each inspection, investigation and inquiry of concern to management and includes:

- a. The number and types of inspections and investigations.
- b. The number and nature of inspection findings with associated text of violation item and deviation.
- c. The action taken and by whom.
- d. The numbers and types of modules inspected and related statistics.
- e. Elapsed time statistics.

032 Minimizing Repetitive Data

The NRC 766 and 766A forms have been developed with the objective of minimizing the number of times inspection related data must be recorded for entry into computer based information systems. The basic 766 system serves as the primary source of all statistical information relating to inspections, investigations, inquiries and enforcement. It also serves as the primary source of all text on items of violation and deviations. Data from the system is used to analyze various aspects of the inspection programs; answer inquiries from Congress, the Commission and other sources; provide part of the basis for budget requests; help in the analyses of enforcement cases; and provide requested data to licensees and contractors regarding the compliance records of licensees. Since this data base serves so many important purposes, it is important that data be entered completely and accurately.

0535-04 DEFINITIONS - TYPE OF ACTIVITIES CONDUCTED (Columns 37/38)

This section defines the types of activities (inspection, inquiry, investigation) listed in columns (37/38) of Form NRC 766.

041 Inspections

a. Safety (02)

Construction, quality assurance, operational safety, radiological health and safety, environmental protection and emergency planning inspections performed at prescribed frequencies and in accordance with the procedures and instructions covering the routine inspection program as described in the IE Manual. Safeguards inspections (material accountability, plant security, etc.) and vendor inspections are not included here.

Routine inspections are structured such that through one or more inspection visits over a period of time a complete review will be made of major activities authorized by a limited work authorization construction permit or license. For some cases the review may be completed in one inspection every year, every two years or every three years. In other cases portions of the review are made during each of several inspection visits made during a yearly period.

MP3 CYCLE BEGINS

STAFF HOURS RECORDED
ON STAFF INPUT REPORT

ON-LINE TIME ENTRY
CREATES MP TRANSACTIONS

SAVE WEEK 1
OF BIWEEKLY
TRANSACTIONS

SAVE WEEK 2
OF BIWEEKLY
TRANSACTIONS

NO CREATES PAYFILE

SAVE MANPOWER BIWEEKLY
DATASET

EDIT MANPOWER BIWEEKLY
DATASET

IS BIWEEKLY DATASET
ERROR FREE

YES

ADD BIWEEKLY DATASET TO
FY & HISTORY TAPES

REGIONAL COORDINATORS:

REGION	COORDINATOR	FTS
R 1	JOHN JASTISAN	400-1218
R 2	JUDY COLEMAN	242-5548
R 3	BETTY LU REIMANN	308-5534
R 4	JEAN PERRY	726-8124
R 5	JOAN ZOLLICOFFER	663-3774

ENTER CORRECTIONS AND
UPDATE MP STATUS REPORT

CALL STAFF MEMBERS FOR
CORRECTION

UPDATE MP STATUS RPT. &
RUN AD HOC & STD. REPORTS

MP3 CYCLE
ENDS

R-1200775 TECHNICAL ASSISTMENT CONTROL SYSTEM PAGE 2270

REGS REVIEWER LEVEL REPORT OFFICE: RS DIVISION: DR50 A/D/

REVIEWER - (XXXX) - XXXXXXXXXXXX BRANCH: R5DA SECTION: XXXX WEEK ENDING XX/XX/XX

PIC CODE - XX RUN DATE XX/XX/XX

INSPECTION ACTIVITIES

DOCKET NUMBER/REPORT NUMBER CATEGORY CODES IMI CODES	ACTIVITY	HOURS		HOURS		HOURS		HOURS		HOURS		HOURS	
		NON O	REG T	NON O	REG T	NON O	REG T	NON O	REG T	NON O	REG T	NON O	REG T
PA 0	ROUTINE DOCUMENTATION												
SAPD	ROUTINE INSPECTION												
SAP1	ROUTINE PREPARATION												
SAPP	REACTIVE DOCUMENTATION												
SARD	REACTIVE INSPECTION												
SARI	REACTIVE PREPARATION												
SARP	NORMAL EMPLOYMENT ACTIVITIES												
3A01	ESCALATED EMPLOYMENT ACTIVITY												
3A02	EP PLAN AMENDMENTS												
3B0	EMER RESPONSE SUPPORT ACTIVITY												
3B0C	TECH SUPPORT FOR INVEST.												
3B0D	LAB TECHNICIAN ACTIVITIES												
3B0E	CONTRACT MONITORSHIP												
3B0F													
3B0G													

CATEGORY CODES FOR MATERIAL LICENSES

ITEMS OF MAJOR IMPORTANCE (IMI CODES)
1010 - INDEPENDENT INSPECTION
1100 - INDEP VAN ACTIVITY
1110 - TLD INSPECTION ACTIVITY
F010 - 10 CFR 35 REVIEW
F020 - ELP RULE FOR FUEL FACILITIES
F030 - DECOM/CLOSEOUT SURVEYS
F040 - HLM REPOSITION INSPECTIONS
V010 - VENDOR - REACTOR SYSTEMS
V020 - VENDOR - COMPONENTS
V030 - VENDOR - EQUIP. QUALIFICATION
R010 - HVAC INSPECTIONS
R020 - PIPE SUPPORT INSPECTIONS
R030 - AS-BUILT TURNOVER INSPECTIONS
R040 - CRAFT QUALIFICATIONS & TRAINING INSP.
R050 - INDEPENDENT DESIGN INSP FOLLOW-UP INSP.
R060 - INSPECTIONS DURING OUTAGES
R070 - INPO FOLLOW-UP INSPECTIONS
R080 - FSAR
R090 - QA CHANGE REVIEWS (TOPICALS)
R100 - QA CHANGE REVIEW INSPECTIONS
R110 - VENDOR & CONTRACTOR QA
R120 - INSPECTIONS AT PROBLEM FACILITIES
R130 - SAFETY TI
R140 - FOLLOW-UP ON ALLEG (NON-INVESTIG.)

Manpower Reporting System

- **Purpose**
 - Assist Management
 - Project Future Budget Requirements
- **Manpower Module**
 - Prepare Budget
 - Case/Non-case Assignments
 - Creditable Budget Data
- **Enhancements**
 - Activity Codes
 - Planned Accomplishment Numbers
 - On-line

```

*****
TAC/CASE CYCLE BEGINS
*****
|
*****
ASSIGNMENT RECEIVED
*****

```

```

*****
COMPLETE TAC
FORM 197
*****
|
*****
IDENTIFY STAFF FILE
AND TO UPDATES
*****
|
*****
COMPLETE CASEWORK
INPUT FORM
*****

```

DELIVER TO REGION COORDINATORS

REGION	COORDINATOR	FTS
R 1	JOHN JASTISAN	488-1218
R 2	JUDY COLEMAN	242-5548
R 3	BETTY LU REIMANN	388-5534
R 4	JEAN PERRY	728-8124
R 5	JOAN ZOLICOFFER	663-3774

```

*****
CREATE TAC FILE
UPDATE TRANSACTIONS
*****
|
*****
ON-LINE UPDATE OF
STAFF & TO FILES
*****
|
*****
CREATE CASEWORK
UPDATE TRANSACTIONS
*****

```

```

*****
UPDATED TAC
FILE CREATED
*****
|
*****
UPDATED SUPPORT
FILES CREATED
*****
|
*****
UPDATED CASEWORK
FILE CREATED
*****

```

```

*****
STAFF INPUT REPORT
CREATED
*****

```

1208775

TECHNICAL ASSIGNMENT CONTROL SYSTEM

PAGE 5

CS REVIEWER LEVEL REPORT

OFFICE: RS DIVISION: RSDB A/D:

WEEK ENDING 11/12/83

VIEWER - (KBM) - K HAMILL

BRANCH: RSDB SECTION:

RUN DATE 11/09/83

CS #	RPT NO	AC	PA #	TARGET	ESTIMATE	STATUS/	HOURS		TITLE/DESCRIPTION
CKT#	DATE OF	CD		DATE	DATE	COMPL.	REG	NON ESTM	
LF #	REQUEST	IE	NUMBER			DATE		REG	M/MB
00623		RGS	31113			ACTIVE	---	---	ROUTINE PROGRAM - MC-2515 MINIMUM AND BASIC PROGRAM MODULES
	08/19/83								
00533		RGS	31113			ACTIVE	---	---	ROUTINE PROGRAM - MC-2515 MINIMUM AND BASIC PROGRAM MODULES
	08/19/83								
00602		RGS	31111	09/15/83		ACTIVE	---	---	INDEPENDENT PROGRAM - ASSESS THE STATUS OF THE ORGANIZATIONS COMMUNICATIONS EFFECTIVENESS
	08/19/83								
00612		RGS	31112	09/30/83		ACTIVE	---	---	REACTIVE PROGRAM - FOLLOWUP ON IEM 83-26 DEALING WITH SECURITY/SAFETY INTERFACE
	08/19/83								
000312			31156				---	---	RANCHO SECO 1 INPO FOLLOW-UP INSPECTIONS
000312			31157				---	---	RANCHO SECO 1 QA CHANGE REVIEW INSPECTIONS
000312			31158				---	---	RANCHO SECO 1 OUTAGE INSPECTIONS
000312			31159				---	---	RANCHO SECO 1 PROBLEM FACILITY INSPECTIONS
*** NEW ACTIVITIES ****									
							---	---	NEW WORK ITEM
							---	---	NEW WORK ITEM
							---	---	NEW WORK ITEM
							---	---	NEW WORK ITEM
*** GENERAL ACTIVITY ****									
		H00					---	---	ABSENCE
		JM0					---	---	SUPERVISION AND MANAGEMENT
		B00					---	---	TRAINING AND PROFESSIONAL MEETINGS
		J0M					---	---	ADMINISTRATION
		JNK					---	---	CORRESPONDENCE AND F.O.I.A.

6.5.6 Casework Control Form (197C)

NRC FORM 181C (8/81)

CASEWORK CONTROL - NMSS (PPSAs) (*Required Entries)

DATE _____

<input type="checkbox"/> NEW RECORD <input type="checkbox"/> REPLACEMENT <input type="checkbox"/> INFO	CALL NUMBER CONTAINING FIELD NO. _____ PROJECT NUMBER _____ METHOD NO. _____ SERIAL NUMBER _____	PROJECT DESCRIPTION (130 Character) _____ COUNTY (18 Character) _____ CITY (15 Character) _____ STATE (15 Character) _____ ZIP CODE (15 Character) _____									
		FACILITY NAME (30 Character) _____ COUNTY (18 Character) _____									

A1 - PPSAS NUMBER	YEAR	MONTH	DAY	RECEIPT DATE YEAR	MONTH	DAY	COMPLETION DATES				AS MAIL CODE	A13 - PER AMOUNT	A14 - PER INDICATOR	A15 - PER AMOUNT	A16 - PER INDICATOR	A17 - PER AMOUNT
YEAR	MONTH	DAY	YEAR	MONTH	DAY	ESTIMATED	ACTUAL	VR	MO	DAY						
A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26

MILESTONE NUMBER	MILESTONE DATES										MILESTONE STATUS					
MILESTONE NUMBER	85 ORIGINAL			86 CURRENT			87 ACTUAL			90 VISIT/AVAIL	91	92	93			
	YEAR	MONTH	DAY	YEAR	MONTH	DAY	YEAR	MONTH	DAY							
88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104

***81 MILESTONE DESCRIPTION (30 Character)** _____

***90 VISIT/AVAIL** _____

***91** _____

***92** _____

***93** _____

***94** _____

***95** _____

***96** _____

***97** _____

***98** _____

***99** _____

***100** _____

***101** _____

***102** _____

***103** _____

***104** _____

Casework System

- o **Purpose**
 - Scheduled Licensing Reviews
 - Work Activity Items
 - Collection of Man-hour Data
- o **System Coordinator**
 - Casework Control Form
 - Casework Master File
 - Staff Input Form
 - Case Status Summary Report
- o **Casework Control Form**
 - Record New Case Activities
 - Add Additional Information
 - Change Existing Information
- o **Casework Control Form Sections**
 - Facility, Specific Project Request
 - Milestones
 - Personnel

TECHNICAL ASSIGNMENT CONTROL SYSTEM

NEW ASSIGNMENT NEW INFORMATION TASK NUMBER #

SECTION I. REQUEST DATA

PREPARED BY: _____

(AE/AF) FACILITY NAME AND ASSIGNMENT TITLE (LIMIT 120 CHARACTERS) _____

(OA) DOCKET NUMBER AND TAG REPORT NUMBER _____

(FB) FEE PAID _____ (FB) FEE BEARING _____

(AC) REQUEST COM. ACT _____ (AX) REQUESTERS INITIALS _____

(AD) REQUESTING ORGANIZATION _____ (AL) MULTI PLANI ACTION NUMBER _____

(AD) DATE PREPARED _____ (AZ) PLANNED ACCOMPLISHMENT NUMBER _____

(AH) REQUESTING TARGET DATE _____ (FC) COMMON COSTS _____

SECTION II. SYSTEMS CONTROL DATA

(AP) PRIORITY _____ (AR) INITIATION DATE _____

(AS) OPERATING REACTION ACTIONS _____

(SC) STATUS _____

(VENDOR'S NAME) _____ (BR) TOPICAL REPORT REVIEWS _____

(AR) REPORT DATE _____ (AS) ADDITIONAL INFORMATION REQUEST DATE _____

(AE) REPORT IDENTIFICATION SYMBOL _____

(DA) PROPRIETARY (P) _____

(EA) NON-PROPRIETARY VERSION _____

(AT) SUBMIT DATE _____ (AU) LETTER TO VENDOR DATE _____

(AV) ACCEPTED _____ (FA) NON-PROPRIETARY REPORT _____

(AJ/AK) REQUESTING REMARKS (LIMIT 120 CHARACTERS - TOPICAL REPORTS ONLY) _____

(AV) NOT ACCEPTED _____

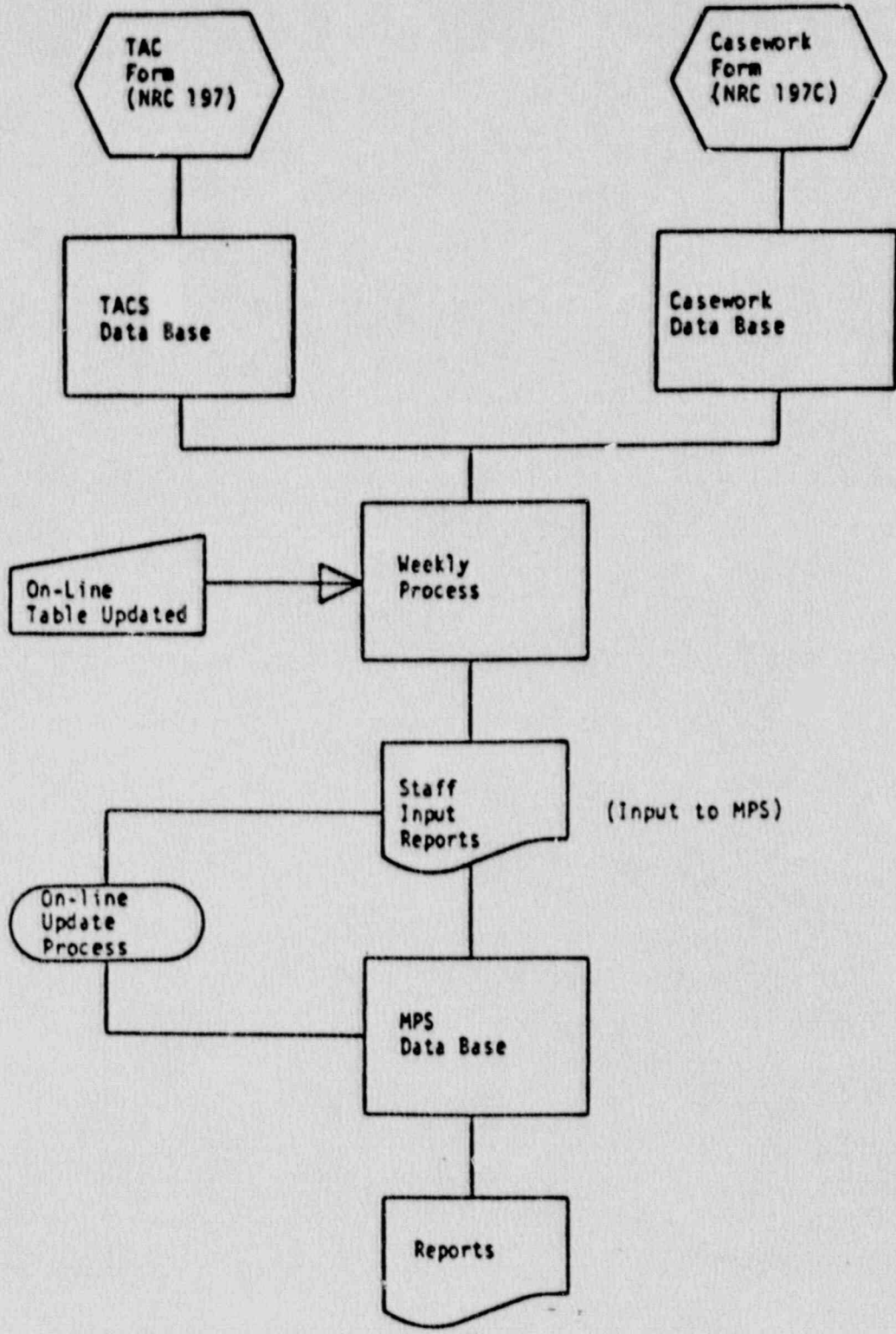
WITHDRAWN _____

SECTION III. REVIEW DATA

REVIEWER'S SURNAME	(CA) REVIEWER'S INITIALS	(CD) ESTIMATED HOURS	COMPLETION DATES	
			(CC) ESTIMATED MO DAY YR	(CO) ACTUAL MO DAY YR

Technical Assignment Control System

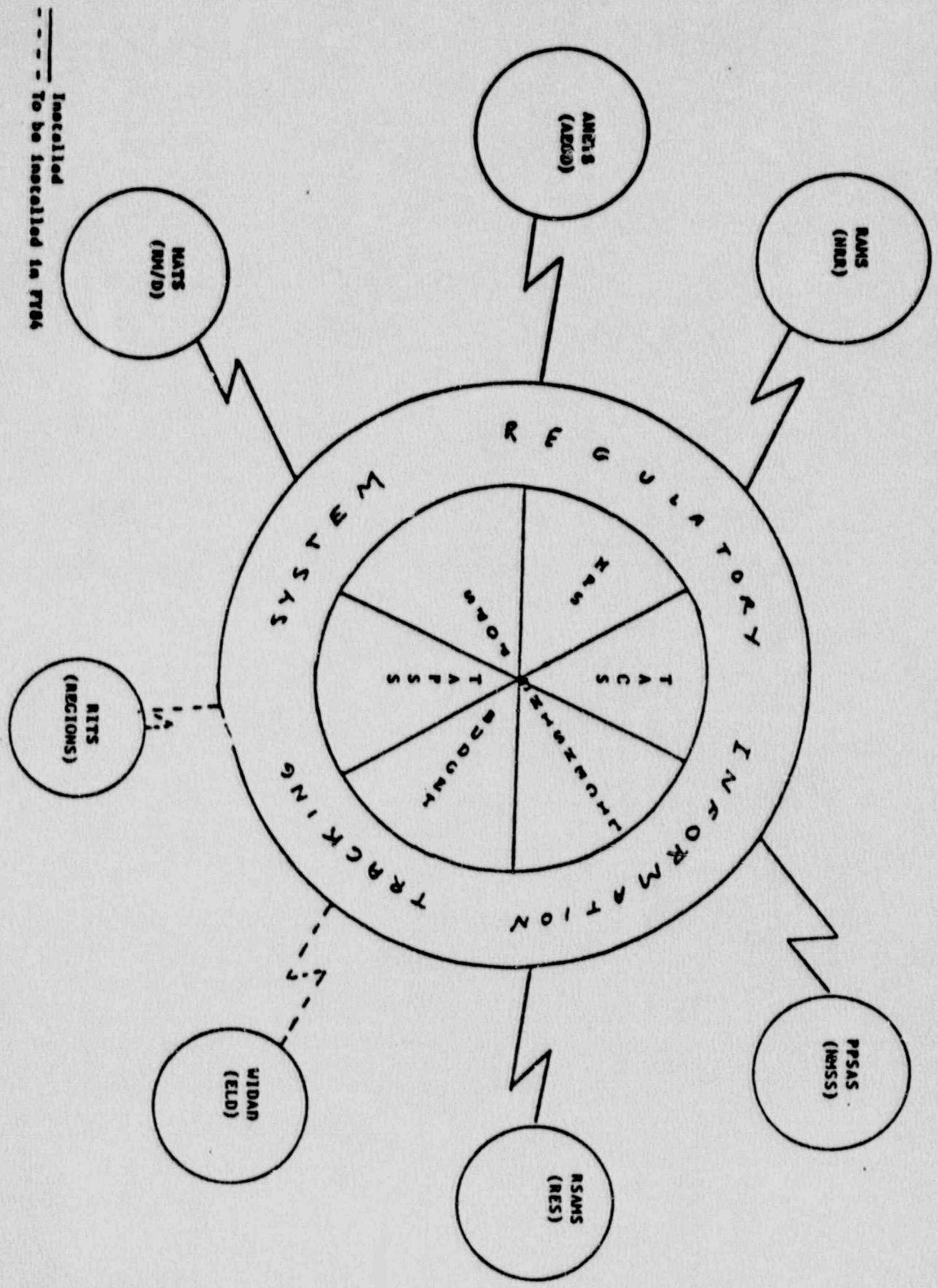
- o Systematic Control of Total Work Effort
 - Various Reports
 - Quantify & Report the Work Effort
 - Managing Work Requests
- o TACS Form
 - TACS Control Number
 - Initiate Assignments
 - Computer Generated Reports
 - Single Source Processing
- o Other Data Elements
 - Identify
 - Describe
 - Document
 - Account
- o Processing Weekly
 - New & Changed Information



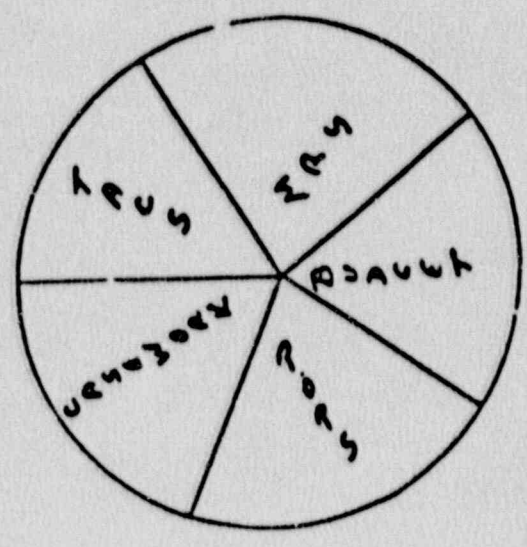
Basic Components

- o Technical Assignment Control System
- o Casework System
- o Manpower Reporting System

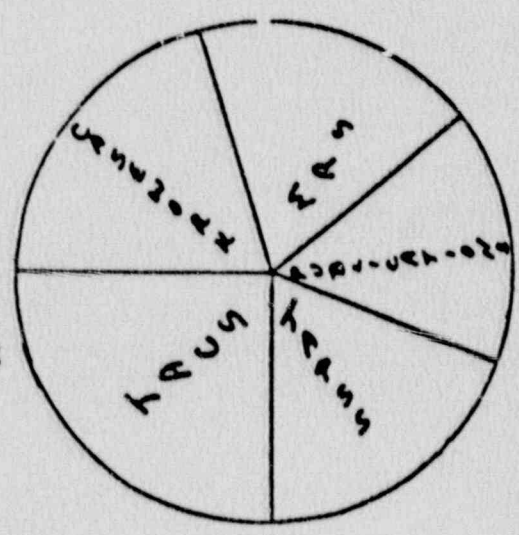
REGULATORY INFORMATION TRACKING SYSTEM (RITS)



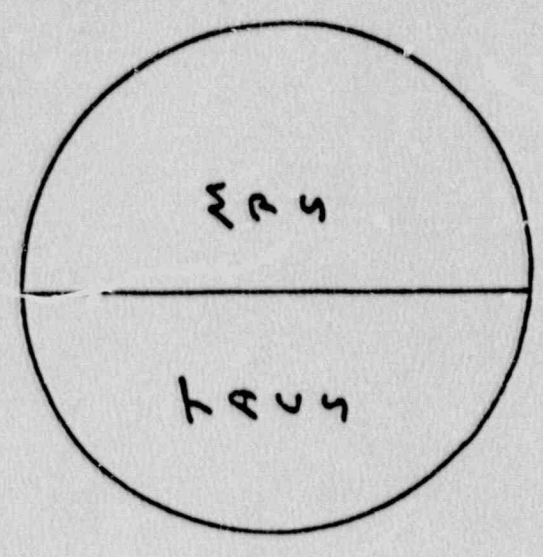
Nuclear Material Safety & Surveillance
(PPSAS)



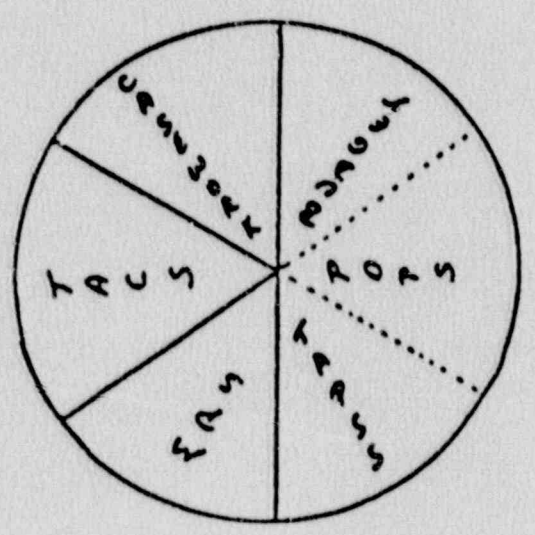
Nuclear Reactor Regulation
(RAMS)



Resource Management
(MATS)



Region (s)
(RITS)



3. SAMPLE INSERT TRANSACTIONS

A. INSERT ENTIRE NEW RECORD

105000397	8122A1102B111208115BB202100	011582	JOE
BD1292701BA1033			
B02292702BA1033			
B03292703BA1002			
105000460	8111A12018112188125BB202100	012082	ADT
B01230703CA1002			
B02292706CA1008			
B03255176BA3010			
D04247053CA2004			
B05292705CA1018			
105000505	8119A11018111308125BB202201	011182	WGA
B01292700BA3014			
B02292701BA1010	248066B		
B03292702BA1003			
B04292706BA1010			
B05230703BA1005			
B06255172BA3010100C	2 1		

S

10 CFR 50, APPENDIX B, CRITERION V, STATES IN PART : "ACTIVITIES AFFECTING QUALITY SHALL BE ACCOMPLISHED IN ACCORDANCE...WITH PROCEDURES..." REQUIREMENTS AND PROCEDURES FOR WELD ROD CONTROL ARE SPECIFIED BY THE WNP 3/5 PSAR SECTION 17.2.8 AND EBASCO SPECIFICATIONS 884-WA-80, 884-WB-80 AND 884-WC-80. THESE REQUIREMENTS ARE IMPLEMENTED FOR THE MORRISON-KNUDSEN JOINT VENTURE CONTRACT BY THE EBASCO-APPROVED PROCEDURE, FWP-500N, ENTITLED, "FILLER METAL PROCUREMENT AND CONTROL." CONTRARY TO THE REQUIREMENTS, AN NRC EXAMINATION OF THE ACTIVITY CONTROLLED BY THIS PROCEDURE ON NOVEMBER 27, 28 & 30, 1981 FOUND THAT THE PROCEDURE WAS NOT BEING FULLY IMPLEMENTED WITH REGARD TO (1) THE USE OF WAREHOUSE WITHDRAWAL FORMS; (2) WIRE ROOM ACCESS LISTS; (3) WIRE ROOM STORAGE; (4) LABELING OF WIRE ROOM CONTAINERS; (5) PROVISIONS FOR SHELVING; (6) USE OF WELD ROD WITHDRAWAL FORMS; AND (7) PROPER CONTAINER USAGE.

&END&

B07255102BA3010100C

B08247053BA1006050

B09249051BA1001

310235053BA1003

103003651 8101A12148112148115CD202203 011382

DDS

B01530703BA 001

B02577710BA 002100C

4 2

S

LICENSE CONDITION 13 STATES IN PART THAT EACH SEALED SOURCE CONTAINING LICENSED MATERIAL, OTHER THAN HYDROGEN-3, WITH A HALF-LIFE GREATER THAN 30 DAYS AND IN ANY FORM OTHER THAN GAS SHALL BE TESTED FOR LEAKAGE AND/OR CONTAMINATION AT INTERVALS NOT TO EXCEED SIX MONTHS. CONTRARY TO THIS REQUIREMENT, LEAK TESTS OF TWO CALIBRATION SOURCES (AMERICIUM-241, 10 MILLICURIES, SERIAL NO. 212 AND TIN-119M, 0.63 MILLICURIE, SERIAL NO. 221) WERE NOT PERFORMED DURING THE 12-MONTH PERIOD OF APRIL 1978 TO APRIL 1979.

SEND&

B02577710BA

5 3

S

10 CFR 30.41(C) STATES IN PART THAT BEFORE TRANSFERRING BYPRODUCT MATERIAL TO A LICENSEE OF THE COMMISSION THE LICENSEE TRANSFERRING THE MATERIAL SHALL VERIFY THAT THE TRANSFEREE'S LICENSE AUTHORIZES THE RECEIPT OF THE TYPE, FORM, AND QUANTITY OF BYPRODUCT MATERIAL TO BE TRANSFERRED. 10 CFR 30.41(D) ALSO STATES THAT A RECORD SHALL BE MAINTAINED WHICH VERIFIES THAT THE TRANSFEREE'S LICENSE AUTHORIZES THE RECEIPT OF TRANSFERRED BYPRODUCT MATERIAL. CONTRARY TO THE REQUIREMENTS, AT THE TIME OF THE INSPECTION, A RECORD OF VERIFICATION OF LICENSEE AUTHORIZATION TO RECEIVE LICENSED MATERIAL WAS NOT MAINTAINED FOR TWO SEALED SOURCES (AMERICIUM-241 AND TIN-119M) WHICH WERE TRANSFERRED IN OCTOBER 1978 TO A CONTRACTOR LOCATED IN PRINCETON, NEW JERSEY.

SEND&

B02577710BA

4 4

S

10 CFR 30.41(A),(B) STATES IN PART THAT A LICENSEE SHALL NOT TRANSFER BYPRODUCT MATERIAL EXCEPT TO ANOTHER LICENSEE OF THE COMMISSION OR AN AGREEMENT STATE WHO IS AUTHORIZED TO RECEIVE THE MATERIAL UNDER THE TERMS OF THE TRANSFEREE'S LICENSE. CONTRARY TO THE REQUIREMENT, A SEALED SOURCE (AMERICIUM-241, 10 MILLICURIES) WAS TRANSFERRED ON APPROXIMATELY OCTOBER 1978 TO A CONTRACTOR LOCATED IN PRINCETON, NEW JERSEY, WHO WAS NOT AUTHORIZED TO RECEIVE THE TRANSFERRED MATERIAL UNDER THE TERMS OF ITS LICENSE. THE INSPECTOR VERIFIED THAT THE TRANSFEREE'S NRC LICENSE (NO. 29-09616-01) SPECIFIES A MAXIMUM POSSESSION LIMIT OF 10 MICROCURIES PER SOURCE FOR AMERICIUM-241.

END&

B03586740BA 001

B04592706BA 001

B. ADDING INFORMATION TO AN EXISTING RECORD.

105000528- 8125-
 B01330703CA 001
 B02370302CA 027020
 B03371302CA 011100C
 B04337301CA 004050
 B05335301CA 005080
 B06370301BA 021050
 B07392706CA 022
 I07000734 8110
 B01530703BA 005
 B02585202BA 001010
 B03585204BA 001020
 B04585206BA 075100C
 B05585208BA 006100C
 B06585212BA 097100C

5 5

S

AN ITEM CONTROL AREA NUCLEAR MATERIAL CUSTODIAN FA
 ILED TO PREPARE HIS AREA FOR A PHYSICAL INVENTORY,
 AND A TEAM CONDUCTING A PHYSICAL INVENTORY IN THA
 T AREA ON SEPTEMBER 22-23, 1951 FAILED TO PROPERLY
 DOCUMENT EXCEPTED CONDITIONS WHICH INVENTORY PROC
 EDURES REQUIRED.

END3

B07585214BA 008060
 B08585300BA 002100C
 B09592713BA 007

B. Deviation (Column 27)

When a licensee does not conform to commitments to the Commission, or to the provisions of guides, codes and standards or to acceptable practices which were approved by the Commission and made available to the licensee and such lack of conformity does not constitute a violation, then it is referred to as a "deviation". A "D" is entered in Column 27 whenever a deviation has been found. The actual deviation code should be placed in the first five positions of the deviation text. (See Section 174, Text, for more details about the textual information.)

173 Site Related (Column 28)

In some instances, during an inspection trip at a multi-unit power reactor station, a specific item of violation or deviation is found that does lead to a citation against more than one unit at that station.

When the above situation occurs:

1. Enter "S" in the box entitled Site Related (beginning with Box A) on 766A form for one unit only.
2. On each additional unit at that same site, enter "A" in the succeeding boxes entitled Site Related.

NOTE: Example 1. During an inspection at the Dresden site a violation or deviation is identified which is charged to units 1, 2, 3.

On the form 766A for Dresden 1 enter "S" in box A, entitled Site Related.

On the form 766A for Dresden 2 enter "A" in box B, entitled Site Related.

On the form 766A for Dresden 3 enter "A" in box C, entitled Site Related.

NOTE: Example 2. During an inspection at the Harris site, a violation or deviation is identified which is charged to units 2 and 3, but not 1 and 4.

IV. MODIFY TRANSACTION.

1. OVERVIEW

When a Modify transaction is encountered with a valid docket number, the remaining fields are edited according to the segment number specified. If the segment number specified is invalid, the transaction is rejected and processing begins searching for the next transaction. Since the Modify transaction is a one record transaction, the program will begin searching for the next transaction after processing the Modify transaction. The field value which is replacing the specified element is edited according to the segment and element specified. If the replacing field is invalid for the specified element, an error message is written.

Special Cases of the Modify

The only way the docket report number can be modified is by deleting the first segment and then re-inserting the entire record.

When you are modifying the second segment, great care must be taken:

- 1) If several modifications must be made within a particular module which also includes a change to the module number, make all the changes to elements 02-06 using the current module number on the file and then make the modify to the module number. Thus the change to the module number would be the last occurring modify made to that particular module segment.
- 2) If the module number occurs more than once, you will have to include the occurrence number in the modify transaction. This is the only time the occurrence number should be used (i.e., when the module occurs more than once within an inspection report). The occurrence number can be determined the first time the edit is run. The occurrence number is listed out by the dummy update.
- 3) If the module number occurs more than once and the module number is the field to be modified, modify the last occurrence of the module first and work back to the first occurrence.

NOTE: Other update commands, such as the INSERT or DELETE, should not be made to the same inspection report that is being modified.

2. LAYOUT OF MODIFY TRANSACTION

A. MODIFY TRANSACTION SEGMENT 1

PAGE 1 OF 1

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE M = MODIFY
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 01
12	4	REPORT NUMBER NUMERIC
16	2	ELEMENT NUMBER # 02 - FROM DATE OF INSP/INV/INQ 03 - TO DATE OF INSP/INV/INQ 04 - INSPECTION PERFORMED BY 05 - REGION CONDUCTING ACTIVITY 06 - DIVISION 07 - BRANCH 08 - REGIONAL ACTION 09 - ACTIVITY TYPE 10 - FINDINGS 11 - ENFORCEMENT CONFERENCE HELD 12 - REPORT CONTAINS 2.790 INFORMATION 13 - DATE NRC FORM 591 OR REGIONAL LETTER SENT 14 - DATE REPORT SENT TO HQ FOR ACTION 15 - INSPECTORS INITIALS
18	VAR	FIELD VALUE (SEE 'MODIFICATION TRANSACTION SEGMENT-ELEMENT REFERENCE FOR IESCREDIT') VAR = VARIABLE

#Page 23 shows the element number, the description, and the length of each element

B. MODIFY TRANSACTION SEGMENT 2

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE M = MODIFY
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 02
12	4	REPORT NUMBER NUMERIC
16	7	MODULE NUMBER MODULE NUMBER
23	2	ELEMENT NUMBER * 01 - MODULE NUMBER 02 - MODULE PRIORITY 03 - STAFF HOURS 04 - PERCENT COMPLETE 05 - STATUS 06 - MODULE REQUIRING FOLLOWUP
25	7	FIELD VALUE (SEE 'MODIFICATION TRANSACTION SEGMENT-ELEMENT REFERENCE FOR IESREDIT')
32	2	MODULE OCCURRENCE NUMBER 01-99 BLANK - WHEN THERE IS ONLY ONE OCCURRENCE WHENEVER YOU HAVE TO USE THE MODULE OCCURRENCE NUMBER, PUT THE MODIFY TRANSACTION IN A DATASET BY ITSELF. MODIFYING, INSERTING OR DELETING MODULES WITHIN THE SAME INSPECTION REPORT CAN EFFECT AND THUS CHANGE THE OCCURRENCE NUMBER.

* PAGE 23 SHOWS THE ELEMENT NUMBER, THE DESCRIPTION, AND THE LENGTH OF EACH ELEMENT.

C. MODIFY TRANSACTION SEGMENT 3

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE M = MODIFY
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 03
12	4	REPORT NUMBER NUMERIC
16	7	MODULE NUMBER MODULE NUMBER
23	7	SEGMENT 3 KEY 0000001-9999999
30	2	ELEMENT NUMBER * 02 - SEVERITY/DEVIATION CODE 03 - SITE RELATED 04 - SEVERITY SUPPLEMENT
32	VAR	FIELD VALUE (SEE 'MODIFICATION TRANSACTION SEGMENT-ELEMENT REFERENCE FOR IESCEDIT') VAR = VARIABLE

* PAGE 23 SHOWS THE ELEMENT NUMBER, THE DESCRIPTION, AND THE LENGTH OF EACH ELEMENT

3.

MODIFICATION TRANSACTION SEGMENT-ELEMENT

23

REFERENCE FOR JESCEDIT

SEGMENT 1

ELEMENT	DESCRIPTION	DATA LENGTH
02	From Date of Insp/Inv/Inq	6
03	To Date of Insp/Inv/Inq	6
04	Inspection Performed By Code	1
05	Region Conducting Activity	1
06	Division	1
07	Branch Code	1
08	Region Action	1
09	Activity Type	2
10	Findings	1
11	Conference Held	1
12	Report Contains 2.790 Information	1
13	Date NRC Form 591 or Reg. Letter Issued	6
14	Date Report Sent to Headquarters	6
15	Inspectors Initials	3

SEGMENT 2

ELEMENT	DESCRIPTION	DATA LENGTH
01	Module Number	7
02	Module Priority	1
03	Staff Hours	3
04	Percent Complete	3
05	Status Code	1
06	Module Requiring Follow Up	7

SEGMENT 3

ELEMENT	DESCRIPTION	DATA LENGTH
02	Severity Code	1
03	Site Related	1
04	Severity Supplement	1

4.

SAMPLE MOD/FY TRANSACTIONS

An explanation of the format of each modify transaction is found on pages 20-22.

A. SEGMENT1

M0300640201800114090580

B. SEGMENT2

M05000267028003571710B03070

C. SEGMENT3

M03006402038010571710B000005603A

V. DELETE TRANSACTION.

1. OVERVIEW

When a Delete transaction is encountered with a valid docket number, the remaining fields are edited according to the segment number specified. If the segment number specified is invalid, the transaction is rejected and processing begins searching for the next transaction. Since the Delete transaction is a one record transaction, the program will begin searching for the next transaction after processing the Delete transaction.

Special Cases of the Delete

When you are deleting the second segment, great care must be taken when the module number occurs more than once. In this case, the occurrence number must be included in the delete transaction. This number can be determined the first time the edit is run. The occurrence number is listed out by the dummy update.

If the module number occurs more than once and the module segment is the segment you want to delete, delete the last occurrence of the module first and work back to the first occurrence.

NOTE: Other update commands, such as the INSERT or MODIFY, should not be made to the same inspection report that is being deleted or is having the delete transaction applied at a lower level.

2. LAYOUT OF DELETE TRANSACTION

A. DELETE TRANSACTION SEGMENT 1

PAGE 1 OF 1

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE D = DELETE
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 01
12	4	REPORT NUMBER NUMERIC

B. DELETE TRANSACTION SEGMENT 2

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE D = DELETE
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 02
12	4	REPORT NUMBER NUMERIC
16	7	MODULE NUMBER MODULE NUMBER
23	2	MODULE OCCURRENCE NUMBER 01 - 99 BLANK - WHEN THERE IS ONLY ONE OCCURRENCE OF THE MODULE WHENEVER YOU HAVE TO USE THE MODULE OCCURRENCE NUMBER, PUT THE TRANSACTION IN A SEPARATE DATASET. MODIFYING, DELETING, OR INSERTING MODULES WITHIN THE SAME INSPECTION REPORT CAN EFFECT AND THUS CHANGE THE MODULE OCCURRENCE NUMBER.

C. DELETE TRANSACTION SEGMENT 3

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE D = DELETE
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 03
12	4	REPORT NUMBER NUMERIC
16	7	MODULE NUMBER MODULE NUMBER
23	7	SEGMENT 3 KEY 0000001-9999999

SAMPLE DELETE TRANSACTION.

An explanation of the format of each delete transaction can be found on pages 26-28.

A. SEGMENT1

D05000368017923

B. SEGMENT2

D05000267028002571710B

C. SEGMENT3

D03006402030001099014B0000055

VI. REPLACE TRANSACTION.

1. OVERVIEW

The Replace transaction is designed to replace text that has been entered into the 766 system. When a Replace transaction with a valid docket number is encountered, the remaining fields of the "R" record are edited, and the following lines are treated as text, just as they would be in an Insert transaction. (ie. The following lines are considered text until an "SEND&" delimiter is encountered, or number of lines exceeds 48.) Note: an "S" record is not required for the entry of text in a Replace transaction.

Steps for Utilizing the Replace Transaction

A. Determine the Segment3-key.

Section XI, Part 5 shows one method for determining the segment3-key for the text using a System 2000 string command. The LIST or PRINT command of System 2000 is another way of retrieving the segment3-key. You could also write your own Mark IV job.

B. Execute the Replace Command Procedure.

The replace command procedure will prompt you for the necessary information for retrieving the text. A job will be submitted that will write the text to a WYLBUR dataset on the TMP packs.

C. Modify the WYLBUR Dataset

Make whatever changes are needed to the WYLBUR dataset created by the replace job.

D. Enter the Replace Transaction to the 766 Database.

Once the changes have been made, the dataset should be run through the EDIT job and then called in. (You could also put the replace transaction at the end of any of your other transaction file.)

REPLACE COMMAND PROCEDURE

The 766 TEXT RETRIEVAL COMMAND PROCEDURE is designed to select portions of text from the 766 database and produce a copy of this text in a Wylbur data set for editing purposes.

EXECUTION OF THE COMMAND PROCEDURE

Use the command procedure and then execute it:

```
USE FROM &WDC5DCU.PGMSLIB(IESWTEXT) ON CNTL11
EXECUTE
```

PARAMETER KEYS

Parameter keys are required to access the 766 text. The parameter key has the following format:

```
R 03000347 04 8101 578720B 0000016
```

where:

- R is required
- 03000347 is the 8 digit docket number supplied by the user
- 04 is the segment number-must always be 04
- 8101 is the 4 digit report number supplied by the user
- 578720B is the 7 digit module number supplied by the user.
- 0000016 is a 7 digit segment 3 key supplied by the user

To minimize errors and the time required to enter a long list of numbers, underlines are provided for each digit or character and a column heading indicates the desired parameter. Also, to expedite the listing of a large group of parameter keys, there are no messages between prompts.

RE-ENTERING A PARAMETER KEY

To correct a parameter key after the carriage return is struck, hitting the break/attention will allow for replacement of the last parameter key or a portion of the command procedure. After the replacement parameter key is entered, the listing may continue. If the program is aborted, no job is submitted and the command procedure prints a termination message.

NORMAL TERMINATION OF PARAMETER LIST

When a prompt is given for a parameter key, enter END in the first three columns. The parameter list will be displayed and the job will be submitted in class A with NOTIFY and HOLD as options. After the job ends at NIHCU, the data set should be present on TMP005. At this time, the job can be purged, because only the WYLBUR data set on TMP005 has the desired text.

ABNORMAL TERMINATION OF THE PARAMETER LIST

- 1) Striking the break during the sign-on message will terminate the command procedure.
- 2) Striking the break more than once during the parameter-prompting session will terminate the command procedure.
- 3) Entering YES to the prompt DO YOU WISH TO ABORT THIS SESSION? will terminate the command procedure.

LOCATION OF OUTPUT DATA SETS

In this command procedure the response to the region prompt determines the output data set name. The output data set is placed on TMP005 and given the name:

WDC4lll.EDIT.T766

where lll is the initials of the region (rgu, rgv, rgz, rgy, or rgz).

JOB ABENDS

If the submitted job returns with an ABEND--JCL ERROR there may be a duplicate data set on TMP005 from a previous run. To check for this error, enter SHOW DSNS FULL ON TMP005 LIKE EDIT.T766 on the console. If such a data set is present, it is causing the JCL error. To correct the error, either rename the data set on tmp005 using the command: RENAME EDIT.T766 ON TMP005 AS (any Wylbur name) or USE and SAVE the EDIT.T766 data set on another file or SCRATCH the EDIT.T766 data set. If there is no duplicate data set, or some other error occurs, please record the job number and notify headquarters as soon as possible.

FIELD LOCATION	FIELD LENGTH	FIELD USAGE FIELD PARAMETERS
1	1	TRANSACTION TYPE R = REPLACE
2	8	DOCKET NUMBER DOCKET NUMBER
10	2	SEGMENT NUMBER 04
12	4	REPORT NUMBER NUMERIC
16	7	MODULE NUMBER MODULE NUMBER
23	7	SEGMENT 3 KEY 0000001-9999999
REPLACEMENT TRANSACTION TEXT		
2	50	TEXT MAXIMUM OF 48 LINES FOR EACH TEXT 50 CHARACTERS PER LINE, BEGINNING IN COLUMN 2.
TEXT DELIMITER FOR REPLACE TRANSACTION		
1	5	TEXT DELIMITER &END&

4.

AMPLE REPLACE TRANSACTION

R0300640204798857171080000033

10 CFR 50, APPENDIX B, CRITERION XII STATES IN PART THAT, "MEASURES SHALL BE ESTABLISHED TO ASSURE THAT TOOLS, GAUGES, INSTRUMENTS, AND OTHER MEASURING AND TESTING DEVICES USED IN ACTIVITIES AFFECTING QUALITY ARE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS TO MAINTAIN ACCURACY WITHIN NECESSARY LIMITS." PSAR MARBLE HILL QUALITY ASSURANCE PROGRAM - CHAPTER 17 (PSI LETTER SHIELDS TO DENTON DATED APRIL 29, 1980) SECTION 1.2 STATES IN PART THAT, "PSI QUALITY ASSURANCE SPECIFICATION REQUIRES THAT CONTRACTING ORGANIZATIONS PERFORMING QUALITY-RELATED ACTIVITIES REQUIRING USE OF MEASURING AND TEST EQUIPMENT ESTABLISH MEASURES TO ASSURE THAT TOOLS, GAUGES, INSTRUMENTS, AND OTHER MEASURING AND TESTING DEVICES ARE OF THE PROPER TYPE, RANGE AND ACCURACY FOR THEIR APPLICATION. TO ASSURE ACCURACY, THE MEASURING DEVICES ARE PROPERLY CONTROLLED, CALIBRATED, AND ADJUSTED AT SPECIFIED PERIODS OR PRIOR TO USE AS REQUIRED BY APPROVED PROCEDURES." PSI PROJECT MANAGEMENT MANUAL PROCEDURE PMP 6.03, REVISION 0, SECTION 5.3, DATED MARCH 3, 1980, REQUIRES THE USE OF A GENERIC MATRIX (ATTACHMENT 4) FOR MAINTENANCE OF MECHANICAL EQUIPMENT AND MATERIALS. ATTACHMENT 4 IN PART STATES, "IF THE EQUIPMENT ARRIVED WITH NITROGEN PURGE (IF HEAT-EXCHANGER SHELL AND TUBE SIDE AS APPLICABLE), REPLACE THE PRESSURE GAUGES BY CALIBRATED GAUGES AND MAINTAIN POSITIVE PRESSURE (APPROXIMATELY 5 TO 10 PSI). CHECK DAILY FOR THE FIRST FIVE WORKING DAYS AND WEEKLY THEREAFTER." CONTRARY TO THE ABOVE, PSI AND THEIR CONTRACTORS FAILED TO INCLUDE THE INERT GAS PRESSURE GAUGES ON SOME EQUIPMENT IN STORAGE AND IN PLACE IN THE CALIBRATION PROGRAM. EXAMPLES OF THESE ARE AS FOLLOWS: UNIT 1 STEAM GENERATORS AND PRESSURIZER; UNIT 1 AND 2 REGENERATIVE HEAT EXCHANGERS; UNIT 1 AND 2 EXCESS LETDOWN HEAT EXCHANGERS; UNIT 1 AND 2 LETDOWN HEAT EXCHANGERS; UNIT 1 AND 2 SEAL WATER HEAT EXCHANGERS; UNIT 1 AND 2 RESIDUAL HEAT EXCHANGERS; AND UNIT 2 COMPONENT COOLING WATER HEAT EXCHANGERS.

&END&

VII. ERROR MESSAGES

1. READING DIAGNOSTICS AND ERROR MESSAGESDIAGNOSTICS:

- A. TOTAL CARDS EDITED. The total cards edited reports the number of records (card images) that have been processed by the IESCEDIT program. This number corresponds to the number of consecutive integer lines in the input file (data set).
- B. TOTAL INSERT TRANSACTIONS. The total number of Insert transactions encountered with valid docket/license numbers.
- C. TOTAL MODIFY TRANSACTIONS. The total number of Modify transactions encountered with valid docket numbers.
- D. TOTAL DELETE TRANSACTIONS. The total number of Delete transactions encountered with valid docket numbers.
- E. TOTAL REPLACE TRANSACTIONS. The total number of Replace transactions encountered with valid docket numbers.
- F. TOTAL TRANSACTIONS EDITED. The total transactions edited reports the number of transactions encountered with valid transaction types and valid docket/license numbers. Both of these criteria must be met for a transaction to be counted and processed.
- G. TOTAL ERRORS ENCOUNTERED. The total errors encountered reports the number of errors that were found in the file. This does not correspond to the number of invalid records, since a record may have more than one error.
- H. COMPLETION MESSAGE. To the right of the total errors, at center page, will be a completion message describing the validity of the file. eg. DATA IS VALID FOR PROCESSING, ** DATA REQUIRES CORRECTION **, NO DATA IN FILE TO BE EDITED.

ERROR MESSAGES:

- A. INPUT CARD NUMBER. The input card number reports the number of the record being processed when the error occurred. In most cases this is the record in error. This number also corresponds to the line number of the input file (data set) provided the input file has consecutive integer WYLBUR line numbers.
- B. FILE TRANSACTION NUMBER. The file transaction number reports the count of valid transactions which have been encountered when the error occurred. This is useful in determining if numerous errors are related to the same transaction, and if possibly caused by previous errors in that transaction.

- C. **FIELD STARTS IN COLUMN.** The field starts in column reports the field position of the record in which the error occurred. This number may be traced downward from the card image heading of the error message report. The first character of the field in error will be marked by an "X". This is useful in pointing out the specific field and character(s) that are in error.
- D. **ERROR MESSAGE.** The error message will give a brief description of the type of error encountered. Additional explanation and possible remedies are available in the error message directory.

NOTE: All error messages are followed by an Error Message Reference Number which may be used to consult the Error Message Directory of this documentation for more specific explanations of the errors encountered.

Error Message Reference Numbers are in the form: E000-t-a

Where: E000 = Error number

t = Transaction type in which error occurred

I = Insert transaction
 M = Modify transaction
 D = Delete transaction
 R = Replace transaction
 O = Other (eg. scanning for transaction)

a = Action taken by edit program to continue processing

C = Continue processing record
 S = Skip to next transaction (reject transaction)
 T = Terminate the edit run

- E. **CARD IMAGE.** The card image of the record being processed when the error occurred is printed below the card image heading. This heading is useful in locating the field column in which the error occurred (in most cases). Note: The card image may not display the record in error if the error was determined by subsequent records. eg. If number of texts encountered does not correspond to the number specified in the "I" record of the Insert transaction, the number specified may be in error. However, it is the beginning of the next transaction that is displayed since this is when the error is recognized. See E016-I-C in Error Message Directory for example.

2. ERROR MESSAGE DIRECTORY FOR JESCLWJT

- All messages are in ascending order of Error Reference Number.
- Error Reference Numbers are presented in the following format:

E000-t-a

Where:

- E000 = Error number
- t = Transaction type in which error occurred
 - I = Insert transaction
 - M = Modify transaction
 - D = Delete transaction
 - R = Replace transaction
 - O = Other (eg. scanning for new transaction)
- a = Action taken by edit program to continue processing
 - C = Continue processing record
 - S = Skip to next transaction (reject transaction)
 - T = Terminate the edit run

REF: E001-D-S
 ERROR MESSAGE: INVALID TRANSACTION TYPE.
 SKIPPING TO NEXT TRANSACTION.

Edit was looking for a new "I", "M", "D" or "R" transaction. An invalid transaction type was encountered. The record is rejected and processing begins with next transaction.

REF: E002-D-T
 ERROR MESSAGE: ABNORMAL FILE TERMINATION. FILE SHOULD END WITH A COMPLETE RECORD.

File to be edited did not end with a complete transaction, or ended with an invalid transaction. Edit should be looking for the next transaction when end of file is reached. In most cases, this error is caused when end of file is reached in mid-processing of a valid transaction, or the last transaction of the file is invalid.

REF: E003-I/R-T
 ERROR MESSAGE: ABNORMAL FILE TERMINATION. FILE SHOULD END WITH A COMPLETE RECORD.

File to be edited did not end with a complete transaction, or ended with an invalid transaction. Edit should be looking for the next transaction when end of file is reached. In this case, the end of file was reached while reading lines of text before an "SEND&" was encountered.

2. ERROR MESSAGE DIRECTORY FOR JESCLWJ1

- All messages are in ascending order of Error Reference Number.
- Error Reference Numbers are presented in the following format:

E000-t-a

Where:

- E000 = Error number
- t = Transaction type in which error occurred
 - I = Insert transaction
 - M = Modify transaction
 - D = Delete transaction
 - R = Replace transaction
 - O = Other (eg. scanning for new transaction)
- a = Action taken by edit program to continue processing
 - C = Continue processing record
 - S = Skip to next transaction (reject transaction)
 - T = Terminate the edit run

REF: E001-O-S
 ERROR MESSAGE: INVALID TRANSACTION TYPE.
 SKIPPING TO NEXT TRANSACTION.

Edit was looking for a new "I", "M", "D" or "R" transaction. An invalid transaction type was encountered. The record is rejected and processing begins with next transaction.

REF: E002-O-T
 ERROR MESSAGE: ABNORMAL FILE TERMINATION. FILE SHOULD END WITH A COMPLETE RECORD.

File to be edited did not end with a complete transaction, or ended with an invalid transaction. Edit should be looking for the next transaction when end of file is reached. In most cases, this error is caused when end of file is reached in mid-processing of a valid transaction, or the last transaction of the file is invalid.

REF: E003-I/R-T
 ERROR MESSAGE: ABNORMAL FILE TERMINATION. FILE SHOULD END WITH A COMPLETE RECORD.

File to be edited did not end with a complete transaction, or ended with an invalid transaction. Edit should be looking for the next transaction when end of file is reached. In this case, the end of file was reached while reading lines of text before an "END" was encountered.

REF: E004-I/R-5
 ERROR MESSAGE: TEXT HAS EXCEEDED 48 LINES WITH NO "&END&".
 BEGINNING SEARCH FOR NEW TRANSACTION.

The body of text being edited has exceeded 48 records. This is the maximum number of lines for any one text. If additional lines are needed, they should be included as additional texts. When this error occurs, the remainder of this transaction is rejected, and processing begins with the next transaction. A strong possibility for this error is that an "&END&" has been omitted or misplaced.

REF: E005-I-S
 ERROR MESSAGE: LICENSE HAS MULTIPLE DOCKETS. ENTER DOCKET NUMBER.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the license number given was used as the key against the Material Cross Reference File to locate corresponding docket number. More than one docket number was found. The specific docket number is required. The transaction is rejected and processing begins with the next transaction.

F: E006-I-S
 <OR MESSAGE: NO DOCKET NUMBER FOUND FOR SPECIFIED LICENSE.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the license number given was used as the key against the Material Cross Reference File to locate the corresponding docket number. This docket number was then used as the key against the Material Master File to validate the docket number. The docket number was not found, and was therefore invalid. The transaction is rejected and processing begins with the next transaction.

REF: E007-I-S
 ERROR MESSAGE: LICENSE HAS MULTIPLE DOCKETS. ENTER DOCKET NUMBER.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the license number given was used as the key against the Ipeit Master File to locate the corresponding docket number. More than one docket number was found. The specific docket number is required. The transaction is rejected and processing begins with the next transaction.

REF: E008-I-S
 ERROR MESSAGE: INVALID LICENSE NUMBER, NO RECORD ON ANY FILE.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the license number given was used as the key against the Dummy Docket File, the Material Cross Reference File and the Ipeit Master File. The license number was not found on any file and therefore was invalid. The transaction is rejected and processing begins with the next transaction.

REF: E009-I-S
 ERROR MESSAGE: INVALID OR BLANK SAFEGUARD GROUP NUMBER FOUND IN FILE REFERENCED.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Facility File or the Material File to validate the docket number. The safeguard group number for this docket was invalid or blank in the Facility File or the Material File. The Facility File or Material File requires correction. The transaction is rejected and processing begins with the next transaction.

REF: E010-I-S
 ERROR MESSAGE: INVALID DOCKET NUMBER, NO RECORD IN FACILITY FILE. MATERIAL FILE NOT IMPLIED BY DOCKET NUMBER.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number given was used as the key against the Dummy Docket File and the Facility File to validate the docket number. The docket number was not found, and is therefore invalid. The Material File was not searched because the docket number implies a site. The transaction is rejected and processing begins with the next transaction.

REF: E011-I-S
 ERROR MESSAGE: INVALID DOCKET NUMBER, NO RECORD ON ANY FILE.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number given was used as the key against the Dummy Docket File, the Material Master File, the Facility File and the Ipeit Master File to validate the docket number. The docket number was not found on any file and is therefore invalid. The transaction is rejected and processing begins with the next transaction.

REF: E012-M/D/R-S
 ERROR MESSAGE: DOCKET NUMBER IS INVALID, NO RECORD ON ANY FILE.
 SKIPPING TO NEXT TRANSACTION.

During a Modify, Delete or Replace transaction, the docket number given was used as the key against the Dummy Docket File, the Material Master File, the Facility File and the Ipeit Master File to validate the docket number. The docket number was not found on any file and is therefore invalid. The transaction is rejected and processing begins with the next transaction.

REF: E013-I-S
 ERROR MESSAGE: "B" RECORD TYPE NOT PRESENT FOLLOWING "I" TRANSACTION TYPE. BEGINNING SEARCH FOR NEW TRANSACTION.

At least one "B" record must follow each "I" transaction type. Provision for up to 99 "B" records is incorporated into this edit, but at least one must be present. If this error occurs, the remainder of this transaction is rejected and processing begins with the next transaction.

REF: E014-I-S
 ERROR MESSAGE: "S" RECORD NOT PRECEDED BY A "B" RECORD. REJECTED.
 SKIPPING TO NEXT TRANSACTION.

Every "S" record (signifying the beginning of text) must be preceded by the corresponding "B" record. When this error occurs, the transaction is rejected, and edit begins looking for the next new transaction starting at the next record.

REF: E015-I-T
 ERROR MESSAGE: ABNORMAL FILE TERMINATION. FILE SHOULD END WITH A COMPLETE RECORD.

File to be edited did not end with a complete transaction, or ended with an invalid transaction. Edit should be looking for the next transaction when end of file is reached. In this case, the edit was looking for the first "B" record of an Insert transaction when end of file was encountered.

REF: E016-I-C
 ERROR MESSAGE: NUMBER OF TEXTS ENCOUNTERED DOES NOT CORRESPOND TO NUMBER OF TEXTS DEFINED IN PREVIOUS "I" TRANSACTION TYPE (COL 40).

When the end of an Insert transaction is recognized, the count of the number of texts encountered (determined by number of "SEND" encountered) is compared to the total number of texts that specified in the "I" transaction type record beginning transaction. The end of a transaction is recognized by the beginning of the next record or the end of the file. If the end of the transaction is recognized by the beginning of the next transaction, the NEXT transaction will be displayed in the card image of the error message, and NOT the transaction which is in error, because this is when the end of the transaction is recognized. Correction for this error must be made by either: 1) Entering the correct number of texts that corresponds to the number specified in the "I" transaction record, each preceded by an "S" record and ended with an "SEND" record, or 2) Entering the correct number of texts in column 40 of the corresponding "I" transaction record.

REF: E017-I-S
 ERROR MESSAGE: INVALID SAFEGUARD GROUP NUMBER FOUND IN MATERIAL FILE.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Material File to validate the docket number. The safeguard group number for this docket was invalid in the Material File. The Material File needs to be updated. The transaction is rejected and processing begins with the next transaction.

REF: ED18-1-S
 ERROR MESSAGE: INVALID OR BLANK PRIORITY CATEGORY FOUND IN MATERIAL FILE.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Material File to validate the docket number. The priority category for this docket in the Material File was invalid or blank. The Material File requires correction. The transaction is rejected and processing begins with the next transaction.

REF: ED19-1-S
 ERROR MESSAGE: INVALID OR BLANK SUB-PRIORITY CATEGORY FOUND IN FILE REFERENCED.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Material Master File to validate the docket number. The sub-priority category for this docket in the Material Master File was invalid or blank. The Material Master File requires correction. The transaction is rejected and processing begins with the next transaction.

REF: ED20-1-S
 ERROR MESSAGE: INVALID OR BLANK SAFEGUARD GROUP NUMBER FOR SPECIFIED ACTIVITY TYPE FOUND IN FILE REFERENCED.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Facility File to validate the docket number. The safeguard group number for this docket in the Facility File was invalid or blank. The Facility File requires correction. The transaction is rejected and processing begins with the next transaction.

REF: ED21-1-S
 ERROR MESSAGE: INVALID OR BLANK SAFEGUARD GROUP NUMBER FOUND IN FACILITY FILE.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Facility File to validate the docket number. The safeguard group number for this docket was invalid or blank in the Facility File. The Facility File requires correction. The transaction is rejected and processing begins with the next transaction.

REF: E022-I-S
 ERROR MESSAGE: INVALID OR BLANK PRIORITY CATEGORY FOUND IN FILE REFERENCED.
 SKIPPING TO NEXT TRANSACTION.

During an Insertion transaction, the docket number was used as the key against the Material File or Facility File to validate the docket number. The priority category for this docket in the Material File or Facility File was invalid or blank. The Material File or Facility File requires correction. The transaction is rejected and processing begins with the next transaction.

REF: E023-I-C
 ERROR MESSAGE: FIRST TWO DIGITS OF REPORT NUMBER MUST BE BETWEEN 79 AND THE CURRENT YEAR ON AN INSERT

The first two digits of the four digit report number of an Insert transaction must fall between 79 and the current year. This is only true of the Insert transaction.

REF: E024-I-C
 ERROR MESSAGE: LAST TWO DIGITS OF REPORT NUMBER ARE NOT BETWEEN "00" AND "99" INCLUSIVE ON AN INSERT TRANSACTION.

The last two digits of the four digit report number of an Insert transaction must be between "00" and "99" inclusive.

REF: E025-I-C
 ERROR MESSAGE: REPORT SEQUENCE IS INVALID. SHOULD BE "A", "B", "C", "D", OR BLANK.

Report sequence of the Insert transaction is not "A", "B", "C", "D", or blank. If this error occurs, all report sequences for all "B" records for this transaction will be invalid.

REF: E026-I-C
 ERROR MESSAGE: FROM DATE OF PERIOD OF INQ/INVEST/INSP IS INVALID OR UNSPECIFIED. SEE DISPLAY FOR NATURE OF ERROR.

The starting date of the inquiry/investigation/inspection is blank or invalid. The DATEVAL subroutine is invoked to edit for all possible dates as of January 1, 1975 till December 31, 1999 (including leap years). This error may also be caused by embedded blanks. Specific error messages are displayed by DATEVAL subroutine, marked by arrows "====>"

REF: E027-I-C
 ERROR MESSAGE: TO DATE OF PERIOD OF INQ/INVEST/INSP IS INVALID OR UNSPECIFIED. SEE DISPLAY FOR NATURE OF ERROR.

The ending date of the inquiry/investigation/inspection is blank or invalid. The DATEVAL subroutine is invoked to edit for all possible dates as of January 1, 1975 till December 31, 1999 (including leap years). This error may also be caused by embedded blanks. Specific error messages are displayed by DATEVAL subroutine, marked by arrows "====>"

REF: E028-1-C
 ERROR MESSAGE: TO DATE OF PERIOD OF INQ/INVEST/INSP IS PRIOR TO FROM DATE (COL 20).

The ending date of the inquiry/investigation/inspection is prior to the beginning date of the inquiry/investigation/inspection. This is logically impossible, and therefore in error. The to date of this transaction must be equal to or subsequent to the from date.

REF: E029-1-C
 ERROR MESSAGE: INSPECTION PERFORMED BY CODE IS INVALID OR UNSPECIFIED. SHOULD BE BETWEEN "1" AND "7" INCLUSIVE.

The inspection performed by code is blank or invalid. This field must be specified as "1", "2", "3", "4", "5", "6" or "7".

REF: E030-1-C
 ERROR MESSAGE: INVALID COMBINATION OF REGION-DIVISION-BRANCH CODES, NOT FOUND ON MPS ORGANIZATION FILE.

The three character combination of the region, the division, and the branch code specified in columns 33 through 35 is not a valid combination. The three character group is used as the key against the MPS Organization Code File to validate the combination.

REF: E031-1-C
 ERROR MESSAGE: REGION CONDUCTING ACTIVITY IS INVALID OR UNSPECIFIED. SHOULD BE "1", "2", "3", "4", "5" OR "9".

The region conducting activity is blank or invalid. This field must be specified as "1", "2", "3", "4", "5" or "9".

REF: E032-1-C
 ERROR MESSAGE: DIVISION CODE IS INVALID OR UNSPECIFIED. SHOULD BE "A" -- "D", OR "0".

The division code was invalid or blank. This field must be specified as "A" through "D", or "0" (zero).

REF: E033-1-C
 ERROR MESSAGE: BRANCH CODE IS INVALID OR UNSPECIFIED. SHOULD BE "0" -- "9", OR "A" -- "Z".

The branch code is invalid or blank. This field must be specified as "0" (zero) through "9", or "A" through "Z".

REF: E034-1-C
 ERROR MESSAGE: REGIONAL ACTION IS INVALID. SHOULD BE "1", "2" OR BLANK IF NOT APPLICABLE.

The regional action is invalid. This field should be specified as "1" or "2", or left blank if it is not applicable.

REF: E035-I-C
 ERROR MESSAGE: TYPE OF ACTIVITY CONDUCTED IS INVALID OR UNSPECIFIED. SHOULD BE BETWEEN "02" AND "15" INCLUSIVE.

The type of activity conducted code is blank, invalid, or contains an embedded blank. This field must be specified as a number between "02" and "15" inclusive.

REF: E036-I-C
 ERROR MESSAGE: INQ/INVEST/INSP FINDINGS IS INVALID OR UNSPECIFIED. SHOULD BE "1", "2", "3" OR "4".

The inquiry/investigation/inspection findings code is blank or invalid. This field must be specified as "1", "2", "3" or "4".

REF: E037-I-C
 ERROR MESSAGE: TOTAL NUMBER OF TEXTS IS INVALID. SHOULD BE BETWEEN "00" AND "99" INCLUSIVE (BLANKS = 00).

The total number of sev/dev texts that are to be included in this transaction must be specified in this field. The number of these texts is determined by how many "&END&"s are encountered. There must be one "&END&" ending each text. This field must be specified as a number between "00" and "99" inclusive. The maximum texts without an error message is 99. This error may also be caused by embedded blanks. This field may be left completely blank if there are no texts in this transaction (treated as 00).

REF: E038-I-C
 ERROR MESSAGE: ENFORCEMENT CONFERENCE HELD IS INVALID. SHOULD BE "1" FOR YES OR BLANK FOR NO.

The enforcement conference held code is invalid. This field must be specified as "1" for yes (if held) or blank " " for no (not held).

REF: E039-I-C
 ERROR MESSAGE: REPORT CONTAINS 2.790 INFORMATION IS INVALID. SHOULD BE "1" FOR YES OR BLANK FOR NO.

The report contains 2.790 information code is invalid. This field must be specified as "1" if report contains sensitive (2.790) information, or a blank " " if the report does not.

REF: E040-I-C
 ERROR MESSAGE: DATE NRC FORM 591 OR REG LETTER ISSUED IS INVALID. SEE DISPLAY FOR NATURE OF ERROR.

The date that the NRC form 591 or a regional letter was sent is invalid. The DATEVAL subroutine is invoked to edit for all possible dates as of January 1, 1975 till December 31, 1999 (including leap years). This error may also be caused by embedded blanks. Specific error messages are displayed by DATEVAL subroutine, marked by arrows "****>". This field may be left blank if not applicable.

REF: E041-I-C
 ERROR MESSAGE: DATE NRC FORM 591 OR REG LETTER ISSUED IS PRIOR TO
 DATE TO OF INQ/INVEST/INSP (COL 26),

The date that NRC form 591 or a regional letter issued is prior to the ending date of the inquiry/investigation/inspection (to date) specified in column 26 of the transaction. The date issued must be equal to or subsequent to the to date of the transaction.

REF: E042-I-C
 ERROR MESSAGE: DATE NRC FORM 591 OR REG LETTER ISSUED IS BLANK
 WHEN REGIONAL ACTION HAS BEEN SPECIFIED (COL 36).

The regional action code in column 36 of this transaction was not a blank; therefore specifying some action (ie. NRC form 591 or a regional letter). The date for these activities must be specified in column 44. This field was found to be blank, therefore invalid.

REF: E043-I-C
 ERROR MESSAGE: DATE REPORT SENT TO HQS FOR ACTION IS INVALID. SEE
 DISPLAY FOR NATURE OF ERROR.

The date that the report was sent to headquarters for action is invalid. The DATEVAL subroutine is invoked to edit for all possible dates as of January 1, 1975 till December 31, 1999 (including leap years). This error may also be caused by embedded blanks. Specific error messages are displayed by DATEVAL subroutine, marked by arrows "====>". This field may be left blank if not applicable.

REF: E044-I-C
 ERROR MESSAGE: DATE REPORT SENT TO HQ. IS PRIOR TO ENDING DATE OF
 INSP/INVEST/INQ, "TO DATE" IN COL 26.

The date that report is sent to headquarters must be equal to or subsequent to the ending date of the inspection/investigation/inquiry that is specified in column 26 of the same Insert transaction.

REF: E045-I-C
 ERROR MESSAGE: INSPECTORS INITIALS ARE UNSPECIFIED.

The field for inspector's initials has been left blank. This field is optional, but should be specified with one to three characters. When this error occurs, an error message is written and processing continues from that point.

REF: E046-I-C
 ERROR MESSAGE: LINE NUMBER OUT OF SEQUENCE. INVALID OR BLANK.

The line number of the "B" record specified does not correspond to the number of "B" records encountered in this transaction. All "B" records for a single transaction must be sequentially ordered by line number starting with "01". The maximum number of "B" records allowed is "99". Possible causes of this error are: 1) line number does not correspond to sequence, 2) line number is blank or 3) line number contains embedded blanks.

REF: E047-I-C
ERROR MESSAGE: MODULE NUMBER INVALID, NOT FOUND ON MODULE FILE.

When a "B" record is encountered, the module number is used as the key against the Module Edit File to validate the module number. The module number is not on the Module Edit File, or is blank.

REF: E050-I-C
ERROR MESSAGE: STAFF HOURS IS NON-NUMERIC OR CONTAINS EMBEDDED
BLANKS. (ALL BLANK FIELD = "000")

Staff hours must be specified as a number between "000" and "999". A blank field will move "000" to field. Possible causes for this error are: 1) Staff hours field contains non-numeric characters or 2) Staff hours field contains embedded blanks.

REF: E051-I-C
ERROR MESSAGE: PERCENT COMPLETE IS NON-NUMERIC OR CONTAINS
EMBEDDED BLANKS. (ALL BLANK FIELD = "000")

The percent complete field contains non-numeric characters or embedded blanks. If the field contains all blanks, "000" will be moved to field.

REF: E052-I-C
ERROR MESSAGE: PERCENT COMPLETE IS GREATER THAN 100%. SHOULD BE
BETWEEN "000" AND "100" INCLUSIVE. (BLANK = "000")

The percent complete field must be specified as a number between "000" and "100" or blank. Percent complete may not exceed 100%. If the field contains all blanks, "000" will be moved to field.

REF: E053-I-C
 ERROR MESSAGE: STATUS CODE IS INVALID. SHOULD BE "C", "L", "P" OR BLANK.

The status code must be specified as "C", "L", "P" or left blank.

REF: E055-I-C
 ERROR MESSAGE: MODULE REQUIRING FOLLOW UP IS INVALID, NOT FOUND ON MODULE FILE.

The module number given for the module requiring follow up is used as the key against the Module Edit File to validate the module number. The module number was not found on the Module Edit File and therefore invalid. The module requiring follow up field may be left blank if it is not applicable.

REF: E056-I-C
 ERROR MESSAGE: SEV-DEV CODE IS INVALID. SHOULD BE BETWEEN "1" AND "5", "D", OR BLANK.

The severity code must be specified as "1", "2", "3", "4", "5", "D", or blank if not applicable.

REF: E057-I-C
 ERROR MESSAGE: SITE RELATED CODE IS INVALID. SHOULD BE "S", "A" OR BLANK.

The site related code must be specified as "S" for site related, "A" for additional related units, or blank if not applicable.

REF: E058-M-S
 ERROR MESSAGE: SEGMENT NUMBER OF THE MODIFY IS INVALID OR UNSPECIFIED. SHOULD BE "01", "02", OR "03". SKIPPING TO NEXT TRANSACTION.

The segment number of the Modify must be specified as "01", "02", or "03". If this error occurs, the transaction is rejected and processing begins with the next transaction.

REF: E059-M-C
 ERROR MESSAGE: REPORT NUMBER OF THE MODIFY IS NON-NUMERIC, UNSPECIFIED, OR CONTAINS EMBEDDED BLANKS.

The report number of the Modify was found to be blank, contain blanks, or contain non-numeric characters. The report number should have the year as the first two digits, and a number between "01" and "99" as the last two digits.

REF: E060-M-S
 ERROR MESSAGE: ELEMENT NUMBER OF THE MODIFY IN SEGMENT 1 IS
 INVALID OR UNSPECIFIED. SHOULD BE BETWEEN "02" AND
 "15" INCLUSIVE.

During a Modify transaction, specified as segment 1, the element number of the Modify must be between "02" and "15" inclusive. If this error occurs, the element to be modified cannot be edited.

REF: E061-M-C
 ERROR MESSAGE: MODULE NUMBER OF THE MODIFY IN SEGMENT 2 IS
 INVALID, NOT FOUND ON MODULE EDIT FILE.

During a Modify transaction, specified as segment 2, the module number given was used as the key against the Module Edit File to validate the module number. The module number was not found, and therefore invalid.

REF: E062-M-S
 ERROR MESSAGE: ELEMENT NUMBER OF THE MODIFY IN SEGMENT 2 IS
 INVALID OR UNSPECIFIED. SHOULD BE BETWEEN "01" AND
 "06" INCLUSIVE.

During a Modify transaction, specified as segment 2, the element number of the Modify must be between "01" and "06" inclusive. If this error occurs, the element to be modified cannot be edited.

REF: E063-M-C
 ERROR MESSAGE: MODULE NUMBER OF THE MODIFY IN SEGMENT 3 IS
 INVALID, NOT FOUND ON MODULE EDIT FILE.

During a Modify transaction, specified as segment 3, the module number given was used as the key against the Module Edit File to validate the module number. The module number was not found, and therefore invalid.

REF: E064-M-C
 ERROR MESSAGE: SEGMENT 3 KEY SPECIFIED IS INVALID OR UNSPECIFIED.
 SHOULD BE BETWEEN "0000001" AND "9999999".

The field specifying the seven digit key to segment three is non-numeric, blank, or contains embedded blanks.

REF: E065-M-S
 ERROR MESSAGE: ELEMENT NUMBER OF THE MODIFY IN SEGMENT 3 IS
 INVALID OR UNSPECIFIED. SHOULD BE 02, 03, or 04.

During a Modify transaction, specified as segment 3, the element number must be specified as 02, 03 or 04. If this error occurs, the element to be modified cannot be edited.

REF: ED66-M-C
 ERROR MESSAGE: INSPECTION PERFORMED BY CODE BEING MODIFIED IS
 BLANK OR INVALID. SHOULD BE "1" THROUGH "7" INCL.

The inspection performed by code (specified so by segment 1, element 04) that is replacing the current inspection performed by code is not specified as "1", "2", "3", "4", "5", "6" or "7".

REF: ED67-M-C
 ERROR MESSAGE: REGION NUMBER BEING MODIFIED IS BLANK OR INVALID.
 SHOULD BE BETWEEN "1" -- "5", OR "9".

The region number (specified so by segment 1, element 05) that is replacing the current region conducting activity number is not specified as "1", "2", "3", "4", "5" or "9".

REF: ED68-M-C
 ERROR MESSAGE: DIVISION CODE BEING MODIFIED IS BLANK OR INVALID.
 SHOULD BE "A" -- "D", OR "0".

The division code (specified so by segment 1, element 06) that is replacing the current division code is not specified as "A", "B", "C", "D" or "0" (zero).

REF: ED69-M-C
 ERROR MESSAGE: BRANCH CODE BEING MODIFIED IS BLANK OR INVALID.
 SHOULD BE "0" -- "9", "A" -- "Z".

The branch code (specified so by segment 1, element 07) that is replacing the current branch code is not specified as "0" through "9", or "A" through "Z".

REF: ED70-M-C
 ERROR MESSAGE: REGION ACTION BEING MODIFIED IS INVALID. SHOULD BE
 "1", "2" OR BLANK.

The region action code (specified so by segment 1, element 08) that is replacing the current region action code is not specified as "1", "2" or blank.

REF: ED71-M-C
 ERROR MESSAGE: ACTIVITY TYPE BEING MODIFIED IS BLANK OR INVALID.
 SHOULD BE BETWEEN "02" AND "15" INCLUSIVE.

The activity type (specified so by segment 1, element 09) that is replacing the current activity type is not specified as "02", "03", "04", "05", "06", "07", "08", "09", "10", "11", "12", "13", "14" or "15".

REF: ED72-M-C
 ERROR MESSAGE: FINDINGS CODE BEING MODIFIED IS BLANK OR INVALID.
 SHOULD BE BETWEEN "1" AND "4" INCLUSIVE.

The findings code (specified so by segment 1, element 10) that is replacing the current findings code is not specified as "1", "2", "3" or "4".

REF: E073-M-C
ERROR MESSAGE: CONFERENCE HELD CODE BEING MODIFIED IS INVALID.
SHOULD BE "1" FOR YES OR BLANK FOR NO.

The conference held code (specified so by segment 1, element 11) that is replacing the current conference held code is not specified as "1" for yes or blank " " for no.

REF: E074-M-C
ERROR MESSAGE: REPORT CONTAINS 2.790 INFORMATION CODE BEING
MODIFIED IS INVALID. SHOULD BE "1" OR BLANK.

The report contains 2.790 information code (specified so by segment 1, element 12) that is replacing the current report contains 2.790 information is not specified as "1" for yes or blank " " for no.

REF: E075-M-C
ERROR MESSAGE: INSPECTORS INITIALS BEING MODIFIED IS
UNSPECIFIED.

The inspectors initials field (specified so by segment 1, element 15) is left blank in the Modify command. This field is optional, but an error message is produced if the field is left unspecified.

REF: E078-M-C
ERROR MESSAGE: MODULE PRIORITY SHOULD BE BLANK FOR PHASE
0, 1, 3, 4, 5, 6, 7, OR VENDOR MODULES.

The module priority code (specified so by segment 2, element 02) that is replacing the current module priority code should be blank for all phase 0, 1, 3, 4, 5, 6, or 7 modules, or for all modules when the docket is a vendor.

REF: E079-M-C
 ERROR MESSAGE: MODULE PRIORITY BEING MODIFIED IS INVALID OR UNSPECIFIED. SHOULD BE BETWEEN "1" AND "3" INCL.

The module priority code (specified so by segment 2, element 02) that is replacing the current module priority code is blank or out of range. The module priority code should be specified as "1" through "3" inclusive for construction modules.

REF: E080-M-C
 ERROR MESSAGE: STAFF HOURS BEING MODIFIED IS NON-NUMERIC, BLANK, OR CONTAINS EMBEDDED BLANKS.

The staff hours (specified so by segment 2, element 03) that is replacing the current staff hours is blank, contains blanks, or contains non-numeric characters.

REF: E081-M-C
 ERROR MESSAGE: PERCENT COMPLETE BEING MODIFIED IS INVALID OR BLANK. SHOULD BE BETWEEN "000" AND "100" INCL.

The percent complete (specified so by segment 2, element 04) that is replacing the current percent complete is blank, contains embedded blanks or is not between "000" and "100" inclusive.

REF: E082-M-C
 ERROR MESSAGE: STATUS CODE BEING MODIFIED IS INVALID. SHOULD BE "C", "L", "P" OR BLANK.

The status code (specified so by segment 2, element 05) that is replacing the current status code is not specified as "C", "L", "P" or blank.

REF: E083-M-C
 ERROR MESSAGE: MODULE NUMBER BEING MODIFIED IS INVALID OR BLANK, NOT FOUND ON MODULE EDIT FILE.

The module number (specified so by segment 2, element 01) that is replacing the current module number is used as the key against the Module Edit File to validate the module number. The module number was not found on the file, or was blank.

REF: E084-M-C
 ERROR MESSAGE: MODULE REQUIRING FOLLOW UP BEING MODIFIED IS BLANK OR INVALID, NOT FOUND ON MODULE EDIT FILE.

The module requiring follow up (specified so by segment 2, element 06) that is replacing the current module requiring follow up is used as the key against the Module Edit File to validate the module number. The module number was not found on the file, or was blank.

REF: E085-M-C
 ERROR MESSAGE: SEV-DEV CODE BEING MODIFIED IS BLANK OR INVALID. "1" -- "5", "D", OR BLANK.

The severity code (specified so by segment 3, element 02) that is replacing the current severity code is not between "1" and "5", "D", or blank.

REF: E086-M-C
 ERROR MESSAGE: SITE RELATED CODE BEING MODIFIED IS INVALID.
 SHOULD BE "S", "A" OR BLANK.

The site related code (specified so by segment 3, element 03) or by segment 5, element 02) that is replacing the current site related code should be specified as "S" for site related, "A" for additional related units, or blank if not site related.

REF: E087-M-C
 ERROR MESSAGE: DATE BEING MODIFIED IS INVALID OR BLANK, SEE
 DISPLAY FOR SPECIFIC ERROR MESSAGE.

The date (specified so by segment 1, element 02--from date of inspection/investigation/inquiry; or by segment 1, element 03-- to date of inspection/investigation/inquiry; or by segment 1, element 13--date MRC form 591 or regional letter issued; or by segment 1, element 14--date report sent to headquarters) that is replacing current date value is blank or invalid. The DATEVAL subroutine is invoked to edit for all possible dates as of January 1, 1975 till December 31, 1999 (including leap years). Specific error messages are displayed by DATEVAL subroutine, marked by arrows "====>".

REF: E088-D-S
 ERROR MESSAGE: SEGMENT NUMBER OF THE DELETE IS INVALID OR BLANK.
 SHOULD BE "01", "02", OR "03".
 SKIPPING TO NEXT TRANSACTION.

The segment number of the Delete must be specified as "01", "02", or "03". If this error occurs, the transaction is rejected and processing begins with the next transaction.

REF: E089-D-C
 ERROR MESSAGE: REPORT NUMBER OF THE DELETE IS NON-NUMERIC,
 UNSPECIFIED, OR CONTAINS EMBEDDED BLANKS.

The report number of the Delete was found to be blank, contain blanks, or contain non-numeric characters. The report number should have the year as the first two digits, and a number between "01" and "99" as the last two digits.

REF: E090-D-C
 ERROR MESSAGE: MODULE NUMBER OF THE DELETE IS INVALID OR BLANK,
 NOT FOUND ON MODULE EDIT FILE.

During a Delete transaction, the module number given was used as the key against the Module Edit File to validate the module number. The module number was not found, and is therefore invalid.

REF: E091-D-C
 ERROR MESSAGE: SEGMENT 3 KEY IS INVALID OR UNSPECIFIED. SHOULD
 BE "0000001" -- "9999999".

During a Delete transaction, the seven digit segment 3 key given was non-numeric, blank, or contained imbedded blanks.

REF: ED92-1/R-C
ERROR MESSAGE: TEXT LINE DOES NOT BEGIN IN COLUMN 2.

Following an "S" record of an Insert transaction, or the "R" record of the Replace transaction, all subsequent records are treated as lines of text until an "END" is encountered, or until the number of text lines has exceeded the maximum number of 48. When a line of text is encountered, the first column is checked for a blank. If the first column of the text line is not blank, an error occurs and processing continues. All lines of text must begin in column 2, and may not exceed 50 characters.

REF: ED93-1/R-C
ERROR MESSAGE: TEXT LINE EXCEEDS 50 CHARACTERS.

Following an "S" record of an Insert transaction, or the "R" record of the Replace transaction, all subsequent records are treated as lines of text until an "END" is encountered, or until the number of text lines has exceeded the maximum number of 48. When a line of text is encountered it is checked for blanks in columns 52 through 80. If this field is not blank, the characters within this field are considered to be text. An error occurs because text must begin in column 2 and may not exceed 50 characters. Processing continues from this point.

REF: ED94-R-C
ERROR MESSAGE: SEGMENT NUMBER OF REPLACE TRANSACTION IS INVALID OR UNSPECIFIED. SHOULD BE "04".

The segment number of a Replace transaction was unspecified, or was not specified as "04". The segment number of the text to be replaced must be specified in this transaction.

REF: ED95-R-C
ERROR MESSAGE: REPORT NUMBER OF REPLACE TRANSACTION IS INVALID OR UNSPECIFIED.

The report number of the Replace transaction is unspecified, contains non-numeric characters, or contains embedded blanks. The report number should be specified as a four digit number consisting of the last two digits of the report year, and a report sequence from "01" to "99" inclusive.

REF: ED96-R-C
ERROR MESSAGE: MODULE NUMBER OF REPLACE TRANSACTION IS INVALID OR UNSPECIFIED, NOT FOUND ON MODULE EDIT FILE.

The module number of the Replace transaction is invalid or unspecified. The module number given was used as the key against the Module Edit Master File to validate the module number. The module number was not found, and is therefore invalid.

REF: ED97-R-C
ERROR MESSAGE: SEGMENT 3 KEY OF REPLACE TRANSACTION IS INVALID OR UNSPECIFIED. SHOULD BE "0000001" -- "9999999".

The seven digit segment 3 key specified in a Replace transaction was non-numeric, blank, or contained embedded blanks.

REF: E098-I-C
 ERROR MESSAGE: MODULE PRIORITY IS INVALID FOR CONSTRUCTION PHASE SHOULD BE BETWEEN 1 AND 3, INCLUSIVE.

The module priority for the construction phase modules found in Manual Chapter 2512, "LWR Inspection Program - Construction Phase", can only assume the values 1, 2, or 3. One of these values were not specified. When this error occurs, an error message is printed and processing continues from that point.

REF: E099-I-S
 ERROR MESSAGE: SEVERITY OR DEVIATION CODE NOT SPECIFIED IN THE "B" RECORD PRECEEDING THE "S" RECORD. REJECTED

Anytime text is included in the transaction file, a deviation or severity code must be specified in the previous "B" transaction.

REF: E100-I-C
 ERROR MESSAGE: MODULE PRIORITY SHOULD BE BLANK FOR module

The module priority must be blank for all phase 0, 1, 3, 4, 5, 6, or 7 modules, or all modules for a vendor docket. Processing will continue from this point.

REF: E101-I-S
 ERROR MESSAGE: SAFEGUARD GROUP NUMBER SHOULD BE BLANK FOR 030 OR 040 DOCKETS.

The safeguard group number for a 030 or 040 docket on the material file was found to not contain a blank. The transaction is rejected and processing begins with the next transaction.

REF: E102-I-S
 ERROR MESSAGE: "S" RECORD NOT FOLLOWING "B" RECORD WHEN SEVERITY DEVIATION CODE WAS SPECIFIED IN THE LAST RECORD.

Whenever a severity or deviation is specified in a "B" record, a "S" record should follow, (ie., there should always be some text).

REF: E103-I-C
 ERROR MESSAGE: PERCENT COMPLETE SHOULD NOT BE SPECIFIED FOR 92, 93, 94, 30702, 30703, OR 30800 MODULES.

The percent complete field should be blank for 92, 93, 94, 30702, 30703, or 30800 modules. Processing will continue from this point.

REF: E104-I-C
 ERROR MESSAGE: STATUS CODE SHOULD NOT BE SPECIFIED FOR 92, 93, 94, 40702, 30703, OR 30800 MODULES.

The status field should be blank for 92, 93, 94, 30702, 30703, or 30800 modules. Processing will continue from this point.

REF: E105-M-C
 ERROR MESSAGE: PERCENT COMPLETE SHOULD NOT BE SPECIFIED FOR 92, 93, 94, 30702, 30703, OR 30800 MODULES.

The percent complete field should be blank for 92, 93, 94, 30702, 30703, or 30800 modules. Processing will continue from this point.

REF: E106-M-C
ERROR MESSAGE: STATUS CODE SHOULD NOT BE SPECIFIED FOR
92, 93, 94, 30702, 30703, OR 30800 MODULES.

The status field should be blank for 92, 93, 94, 30702, 30703, or 30800 modules. Processing will continue from this point.

REF: E107-I-C
ERROR MESSAGE: 92701 OR 92706 NOT SPECIFIED FOR THE MODULE
INSPECTED FIELD WHEN USING MODULE FOLLOWUP.

Whenever the module requiring followup field is used, the module inspected field must contain a 92701 or 92706 module number. Processing will continue from this point.

REF: E108-M-C
ERROR MESSAGE: MODULE REQUIRING FOLLOWUP CAN ONLY BE USED WHEN
THE MODULE NUMBER INSPECTED IS 92701 OR 92706.

The module requiring followup can only be modified if the module number inspected is 92701 or 92706. Processing will continue from this point.

REF: E119-I-C
ERROR MESSAGE: MODULE REQUIRING FOLLOWUP NOT SPECIFIED WHEN
MODULE INSPECTED WAS 92701.

The module requiring followup must be specified anytime the module inspected number is 92701. Processing will continue from this point.

REF: E110-I-C
ERROR MESSAGE: TOTAL NUMBER OF VIOLATIONS & DEVIATIONS IS NOT
ZERO WHEN INSP/INVEST FINDINGS IS CLEAR ("1").

Whenever the inspection/investigation findings is specified as clear ("1"), then the total number of violations and deviations field must be blank or zero. Processing will continue from this point.

REF: E111-I-C
ERROR MESSAGE: TOTAL NUMBER OF VIOLATIONS & DEVIATIONS IS ZERO
OR BLANK WHEN INSP/INVEST FINDINGS IS NOT CLEAR.

Whenever the inspection/investigation findings is specified as violation ('2'), deviation ('3'), or violation and deviation ('4'), then the total number of violations or deviations must contain a count. Processing will continue from this point.

REF: E112-I-C
ERROR MESSAGE: SEVERITY SUPPLEMENT IS INVALID. SHOULD BE
BLANK OR BETWEEN 1 AND 7.

The severity supplement field should be blank or fall between
the values 1 through 7. Processing will continue from this point.

REF: E113-M-C
ERROR MESSAGE: SEVERITY SUPPLEMENT BEING MODIFIED IS INVALID.
SHOULD BE BLANK OR BETWEEN 1 AND 7.

The severity supplement should be blank or fall between 1 through
7. Processing will continue from this point.

REF: E114-I-C
ERROR MESSAGE: SEVERITY DEVIATION CODE IS BLANK OR SPECIFIED AS A
"D" WHEN THE SEVERITY SUPPLEMENT IS SPECIFIED.

The severity supplement field can only be used in conjunction with
a severity violation. The severity violation must be specified
when using the severity supplement field. Processing will continue
from this point.

REF: E115-I-C
ERROR MESSAGE SEVERITY SUPPLEMENT IS BLANK WHEN A SEVERITY
VIOLATION HAS BEEN SPECIFIED.

The severity supplement must always be specified whenever the
severity violation is used. Processing will continue from this point.

VIII. INSPECTOR AUDIT REPORT

The Inspector Audit Report lists out an entire 766 database record using as input either the 766 update transactions file or list transactions. The Audit Report is one method of determining what information is contained in the database for a particular inspection report. The Audit Report can be run once the 766 update transactions have been applied to the database.

The List Transaction

The List transaction allows you to list out any inspection report on the 766 database. The format of the list transaction is as follows:

<u>column</u>	<u>description</u>
1	L
2-9	docket number
10-11	DI
12-15	report number
16-80	blank

Run Procedure

1. Use the JCL:

```
USE FROM &WDC5DCU.PROCLIB.CNTL(IESJ017) ON FILE55
```
2. Modify the dataset name and the location in STEP1 to correspond to the dataset name and location of your 766 update transaction file or the List transaction file.
3. Run the job.
4. The output of the job will list out the entire inspection report with the codes and corresponding titles from the 766 form.

A listing of the JCL follows on the next page.


```

//SSNAUDIT JOB (WDC4,563,A),'766 INSP AUDIT'
//.....
//*
//*          WDC5DCU.PROCLIB.CNTL(IESJ017) ON FILE55
//*
//*          TO EXECUTE THE 766 INSPECTOR AUDIT REPORT
//*          INPUT:  WDC4111.DSS5MM11 ON NRCXXX
//*                   111=INITIALS  MMM=MONTH  W=WEEK
//*                   XXX=FILE NUMBER
//*
//*.....
//PROCLIB DD DSN=WDC5DCU.PROCLIB.CNTL,UNIT=FILE,DISP=SHR
// DD DSN=WDC1BAD.PROCLIB,UNIT=FILE,DISP=SHR
//*
//*          TO PUT INPUT DATA SET INTO TEMPORARY CARD FORMAT
//*
//STEP1 EXEC EDSIN,NAME='WDC4111.DSS5MM11',DISK=NRCXXX,BLKSIZE=3120
//S2 EXEC S2KRUN,PROG=IESC017,CORE=800K,LOADLIB='WDC5DCU.PGMLDLIB',
// LOADISK=
//*
//* S2 PRODUCES THE INSPECTOR AUDIT REPORT
//*
//GO.LOCATED1 DD UNIT=SYSDA,SPACE=(CYL,(3,2))
//GO.IENF7661 UD DSN=WDC4SSW.IENF7661,DISP=SHR,UNIT=FILE
//GO.IENF7662 DD DSN=WDC4SSW.IENF7662,DISP=SHR,UNIT=FILE
//GO.IENF7663 DD DSN=WDC4SSW.IENF7663,DISP=SHR,UNIT=FILE
//GO.IENF7664 DD DSN=WDC4SSW.IENF7664,DISP=SHR,UNIT=FILE
//GO.IENF7665 DD DSN=WDC4SSW.IENF7665,DISP=SHR,UNIT=FILE
//GO.IENF7666 DD DSN=WDC4SSW.IENF7666,DISP=SHR,UNIT=FILE
//GO.IENF7667 DD DUMMY
//GO.TAPES2K DD DUMMY
//GO.EDIT DD DSN=&INPUT,UNIT=SYSDA,DISP=(OLD,DELETE)
//GO.OUT DD SYSOUT=A

```

IX. DUMMY/VENDOR DOCKET FILE LISTING AND DATING

The Dummy/Vendor Docket File may be listed and/or modified by use of the Dummy/Vendor Docket Update program on AEC001. The program can perform the following functions:

- I = insert a docket number into the file
- D = delete a docket number from the file
- F = find a docket number on the file (found/not found)
- L = list all docket numbers

To run the Dummy/Vendor Docket Update program use the program saved as WDC5DCU.PROCLIB.CNTL(IESJDUMY) on FILE55. Collect transactions to the end of this program (after the //SYSIN DD *) beginning in column 1. Transaction format appears as follows:

- Column 1 = transaction type (ie. I, D, F, L)
 - Column 2/9 = docket number (8 characters)
- Note: this field may be left blank for a list (L) transaction.

Examples:

```
I99990000
D99990000
F15000000
L
```

Once the transactions have been collected to the end of the program it may be run. The file will be updated accordingly and completion messages will appear on output.

Note: If not run from SSW it may be necessary to modify job card.

File Information:

Dummy/Vendor Docket File saved as WDC4SSW.DUMMY.DOCKET.FILE on AEC001 RECFM=FB, LRECL=8, BLKSIZE=800 Order is ascending.

A LISTING OF THE JOB FOLLOWS ON THE NEXT PAGE.

```

//SSWDDUP JOB (WDC4,563,A),'DUMMY DOCKET'
//*****
//O
//O          WDC5DCU.PROCLIB.CNTL(IESJDUMY) ON FILE55
//O
//O          TO LOAD AND EXECUTE THE DUMMY DOCKET FILE UPDATE.
//O          THIS PROGRAM WILL UPDATE THE DUMMY DOCKET FILE BY
//O          USE OF THE FOLLOWING TRANSACTION TYPES:
//O          I = INSERT DOCKET NUMBER
//O          D = DELETE DOCKET NUMBER
//O          F = FIND DOCKET NUMBER (FOUND/NOT FOUND)
//O          L = LIST DUMMY DOCKET FILE (ALL DOCKETS)
//O
//O          INPUT FORMAT:
//O          ALL TRANSACTIONS WILL BE ADDED TO THE END OF
//O          THIS PROGRAM (FOLLOWING THE //SYSIN DD *)
//O          IN CARD IMAGE.
//O          TRANSACTION FORMAT:
//O          COLUMN 1      TRANSACTION TYPE (I,D,F,L)
//O          COLUMNS 2/9  DOCKET NUMBER (8 CHARACTERS)
//O                          (DOCKET NUMBER NOT REQUIRED FOR 'L'
//O                          LIST TRANSACTION TYPE.)
//O
//*****
//O TITLE=UPDATE RUN
//O JOBLIB DD DSN=WDC5DCU.PGMLDLIB,UNIT=FILE,DISP=SHR
//O S1 EXEC PGM=IESCDUHY
//O DOCIN DD DSN=WDC4SSW.DUMMY.DOCKET.FILE,DISP=SHR,
//O          UNIT=FILE,VOL=SER=AEC001
//O DOCOUT DD UNIT=FILE,DISP=(OLD,KEEP),
//O          DCB=(RECFM=FB,LRECL=8,BLKSIZE=800),VOL=SER=AEC001,
//O          DSN=WDC4SSW.DUMMY.DOCKET.FILE
//O SYSOUT DD SYSOUT=A
//O SYSIN DD *
L

```

X.

DATA RANGES FOR IESCEDIT

DATA TYPE	MINIMUM	MAXIMUM
Number of records (cards) that may be processed in one edit run.....	0	999,999
Number of transactions that may be processed in one edit run.....	0	999,999
Number of errors that may be encountered in one edit run.....	0	999,999
Number of "B" records that follow an "I" transaction record.....	1	99
Number of lines of text that may be included in one text body.....	0	48
Number of texts that may be included in one transaction without an error message.....	0	99

x1.

PARAMETERS FOR IESREDIT
FOR FIELDS TAKEN FROM EXTERNAL MASTER FILES

- SAFEGUARD GROUP NUMBER
- PRIORITY CATEGORY
- SUB-PRIORITY CATEGORY

SAFEGUARD GROUP NUMBER (1 character):

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

PRIORITY CATEGORY (2 characters, left justified):

MATERIAL MASTER FILE:

1	2	3	4	5	6	7
---	---	---	---	---	---	---

FACILITY MASTER FILE:

A0	A1	A2	B1	B2	C
D1	D2	E	F	G	H

SUB-PRIORITY CATEGORY (4 characters, left justified):

MATERIAL MASTER FILE:

For Priority Category 1:	B	FS	PU	RP
	UF	UM	UR	
For Priority Category 2:	A	C	C1	D
For Priority Category 3:	F1A	G1	G3	I
For Priority Category 4:	D1	E	E1A	G
	G3	H	G3 N	G3 P
For Priority Category 5:	G3			
For Priority Category 6:	E1B	E1C	E2	F
	F1B	F1C	K1	
For Priority Category 7:	G2	J	K	R
	S			

FACILITY MASTER FILE:

No Sub-priority Category

Note: Priority and sub-priority categories for sites are treated as material priority and sub-priority.

TEMPORARY INSTRUCTION NUMBERING SYSTEM

Each Temporary Instruction (TI) is identified by a unique number that incorporates the related inspection program chapter number and a progressive numbering system to identify the TI; i.e., TI2515/30 is used to identify the 30th TI issued as part of the MC 2515 Manual Chapter. Each TI also includes a unique number for module tracking system input. This module number is derived from the TI number which, based on the TI2515/30 example identified above, translates into Module No. 25530B. However, in order to provide a simple system for tracking and closeout of TIs, the "B" program level designation must be replaced by the following letter codes:

- P - All Construction Reactors
- R - All operating Reactors
- S - All BWRs
- T - All PWRs
- U - All General Electric Reactors
- V - All Babcock & Wilcox Reactors
- W - All Westinghouse Reactors
- Y - All Combustion Engineering Reactors

The computer has been programmed to add the TI to only the applicable docket numbers. For example, a TI with a W suffix will only be listed for Westinghouse facilities, it will not be listed for any other facility.

The originator of a TI is responsible for ensuring that the proper letter code is incorporated in the TI. R. Paulus, PDA, maintains an up-to-date listing of issued TIs.

XII. SYSTEM 2000 NOTES FOR 766 DATABASE

0# SEGMENT1	FL #
10# DOCKET-REPORT (KEY)	(1)
15# FROM DATE	(2)
20# TO DATE	(3)
25# INSPECTOR	(4)
30# REGCONACT	(5)
35# DIVISION	(6)
40# BRANCH	(7)
45# REG ACTION	(8)
50# ACTIVITY TYPE	(9)
55# INSP-INVEST FINDINGS	(10)
60# ENFCOM HELD	(11)
65# INFO-2.790	(12)
70# FORM 591 ISSUED	(13)
75# RPT SENT TO HQ	(14)
80# INSP-INIT	(15)
85# SAFEGN	(16)
90# PRIOCAT	(17)
95# SUBPRIO	(18)
100# REGION	(19)
105# DATE ENTERED	(20)
110# FACILITY TYPE	(21)
115# REACTOR TYPE	(22)
120# NSS SUPPLIER	(23)
200# SEGMENT2	
210# MODULE# (KEY)	(1)
215# MOD-PRIORITY	(2)
220# STAFFHRS	(3)
225# PCT COMPLET	(4)
230# STATUS	(5)
235# MODULE FOLLOWUP	(6)
300# SEGMENT3	
310# SEG3-KEY (KEY)	(1)
315# SEVERITY-DEV	(2)
320# SITE RELATED	(3)
325# SEV-SUPPLEMT	(4)
400# SEGMENT4	
410# SEG3-TEXT	(1)

2. LOGGING ON TO SYSTEM 2000

A. Logon to TSD:

- a) press the talk button down on the telephone.
- b) dial 9-492-2223
- c) wait for the continuous beep and then press down the data button
- d) put the receiver down
- e) enter the logon command on the terminal as follows:

```
LOGON AAAA111/J75/136 REGION(1000)
```

where AAAA = your assigned account
111 = your assigned initials

The account and initials to use are as follows:

REGION	ACCOUNT	INITIALS
1	WDC4	RGU
2	WDC4	RGV
3	WDC4	RGX
4	WDC4	RGY
5	WDC4	RGZ

B. Issue the command:

```
EXEC IE766
```

This is the CLIST which will activate System 2000. Wait for the three hyphens on the left side of the line as a signal that System 2000 has been entered.

C. Give the appropriate password. (REG is the password for all regions)

```
USER,password:
```

NOTE: Make sure that you enter the colon at the end of this command, otherwise the command will not be recognized.

D. Connect the database:

```
DBN IS IENF766:
```

Make sure that you get the "OPEN" message after you have given this command, otherwise the database never is attached and none of your commands are executed.

NOTE: All System 2000 commands must end with a COLON! System 2000 will not recognize the command until the colon is entered. The string commands are an exception - any command preceded by an asterisk (*). In this case make sure that the right parenthesis has been entered.

Sample - Logging onto System 2000

```
logon wdc2ann/j75/563 region(1000)
```

```
KEYWORD? XXX
```

```
WDC2ANN LOGON IN PROGRESS AT 08:24:42 ON MARCH 3, 1980
```

```
NIM/DCRT/CCB TSO
```

```
TSO LINE 110
```

```
READY
```

```
exec 10766
```

```
0 CPU SECONDS USED
```

```
---
```

```
user,reg:
```

```
USER,REG:
```

```
---
```

```
/**
```

```
/** THIS JCL IS STORED AS &WDC5DCU.PROCLIB.CNTL(IELIST) ON FILESS
```

```
/**
```

```
dbn is ienf/66:
```

```
DBN IS IENF766:
```

```
-556- OPENED...IENF766
```

```
1
```

```
12 03/03/80
```

```
08:10:45
```

```
---
```

3.

LOGGING OFF OF SYSTEM 2000

To log off of System 2000 simply give the exit command as follows:

EXIT:

The system will reply with the message

"END SYSTEM 2000"

Wait for the "READY" message to appear and then type in

LOGOFF

You will get your logoff statistics, at this point you may turn off the machine.

Sample logoff

exit:

EXIT:

03/03/80 09:49:49 END SYSTEM 2000 - RELEASE 2.90

READY

logoff

CHARGE = 63.65

CPU TIME = 5.63 SECONDS (MODEL 168)

ELAPSED TIME = 00:45:45

I/O COUNT = 102

REGION = 380K

WDC2ANN LOGGED OFF TSO AT 09:50:30 ON MARCH 3, 1980

4. WYLBUR batch job for the 766 database system

The 766 database system may be accessed by using a WYLBUR batch job. The batch job is stored as:

dsn=WDC5DCU.PROCLIB.CNTL(IELIST) on FILE55

Procedure to run the WYLBUR batch job

- A. Logon to WYLBUR
 - B. Use the dataset. (USE FROM &WDC5DCU.PROCLIB.CNTL(IESJLIST) ON FILE55)
 - C. Insert your SYSTEM 2000 commands into the dataset. You should insert the SYSTEM 2000 commands following the 'DBN IS IENF766:' line and before the 'EXIT' line. (you can give the command, L 'IENF766:' to determine which line number to insert after.
- NOTE: ALL SYSTEM 2000 COMMANDS MUST BE IN UPPER CASE, OTHERWISE YOU WILL GET AN ERROR MESSAGE FOR EACH COMMAND GIVEN. ALL SYSTEM 2000 COMMANDS MUST END END WITH A COLON (:), THE COLON IS THE COMMAND TERMINATOR.
- D. Run the job. The job uses ACCT=WDC4 and INIT=SSW. The keyword for this is IPB.

This job simulates a TSO terminal session. Your output for each of the SYSTEM 2000 commands will appear in the output of the job.

Any SYSTEM 2000 command you can give under the TSO session can be input using the WYLBUR batch job.

A copy of the JCL for the WYLBUR batch job appears on the next page.

EXAMPLE:

```
? use from &wdc5dcu.proclib.cntl(iesjlist) on file55
? l 'IENF766:'
  25.      DBN IS IENF766:
? c 25.1
  25.1 ? list c10,c210 where c10 spans 05000000=05000030:
  25.2 ? tally/all/c310:
  25.3 ? ##
? run hold notify
SSW WDC4
KEYWORD?
JOB 9090 SSWLIST SUBMITTED
```

```

//SSWL1ST JOB (WDC4,563,2,40,100), 'LIST IENF766'
//UNNUMBERED
//S2 EXEC PGM=SYS2K, REGION=800K, COND=(0,NE)
//STEPLIB DD DSN='WDC7SYD.S2K.V290.LOAD', DISP=(SHR,PASS),
// UNIT=FILE, VOL=SER=HRC001
//SF01 DD UNIT=SYSDA, SPACE=(CYL,(1,1))
//SF02 DD UNIT=SYSDA, SPACE=(CYL,(30,1))
//SF03 DD UNIT=SYSDA, SPACE=(CYL,(1,1))
//SF04 DD UNIT=SYSDA, SPACE=(CYL,(10,1))
//SF05 DD UNIT=SYSDA, SPACE=(CYL,(90,1))
//SF06 DD UNIT=SYSDA, SPACE=(CYL,(100,1))
//S2KSYS01 DD UNIT=SYSDA, SPACE=(CYL,(1,1))
//S2KSYS02 DD UNIT=SYSDA, SPACE=(CYL,(30,1))
//S2KSYS03 DD UNIT=SYSDA, SPACE=(CYL,(1,1))
//S2KSYS04 DD UNIT=SYSDA, SPACE=(CYL,(10,1))
//S2KSYS05 DD UNIT=SYSDA, SPACE=(CYL,(10,1))
//S2KSYS06 DD UNIT=SYSDA, SPACE=(CYL,(10,1))
//S2KSYS07 DD DUMMY
//S2KMSG DD SYSOUT=A, DCB=(BLKSIZE=1320, LRECL=132, RECFM=FBA)
//OUT DD UNIT=SYSDA, SPACE=(CYL,(1))
//S2KSNAP DD DUMMY, DCB=BLKSIZE=133
//S2KCMD DD *
USER, REG:
DBN IS IENF766:

```

*****INSERT SYSTEM 2000 COMMANDS HERE*****

EXIT:

```

//S2KPARMS DD DSN='WDC7SYD.S2K.S2KPARMS', DISP=(SHR,PASS),
// UNIT=FILE, VOL=SER=FILE02
//LOCATEDD DD UNIT=SYSDA, SPACE=(CYL,(1,1))
//PUNCH DD SYSOUT=B
//SYSDBOUT DD SYSOUT=A
//SYSCOUNT DD SYSOUT=A
//SYSDTERM DD SYSOUT=A
//SYSOUT DD SYSOUT=A, DCB=(LRECL=120, BLKSIZE=120)
//TAPES2K DD DUMMY
//IENF7661 DD DSN=WDC4SSW.IENF7661, DISP=SHR, UNIT=FILE
//IENF7662 DD DSN=WDC4SSW.IENF7662, DISP=SHR, UNIT=FILE
//IENF7663 DD DSN=WDC4SSW.IENF7663, DISP=SHR, UNIT=FILE
//IENF7664 DD DSN=WDC4SSW.IENF7664, DISP=SHR, UNIT=FILE
//IENF7665 DD DSN=WDC4SSW.IENF7665, DISP=SHR, UNIT=FILE
//IENF7666 DD DSN=WDC4SSW.IENF7666, DISP=SHR, UNIT=FILE
//IENF7667 DD DUMMY

```

5. Determining the Segment3 Key

The segment3-key must be known anytime information in segment 3 or segment 4 is to be modified. The segment3-key is assigned to the violation or deviation text at the time the inspection report was inserted to the database.

To determine the segment3-key you will have to either log onto SYSTEM 2000 using ISO or run the MYLBUR batch job. Give the command:

```
#IE76600(C10,C210):
```

where C10 = docket report number
C210 = module number

EXAMPLE:

To find out the segment3-key for docket 03003444, report 8201, module 578710b, you would give the command:

```
#IE76600(030034448201,578710B):
```

The output of the command would be:

```
DOCKET-REPORT# 030034448201
MODULE# 578710B
```

```
SEG3-KEY# 0039014
SEVERITY-DEV# 5
```

```
SEG3-TEXT# LICENSE CONDITION NO. 20 REQUIRES THAT LICENSED MA
SEG3-TEXT# TERIAL BE USED IN ACCORDANCE WITH STATEMENTS, REPR
SEG3-TEXT# ESENTATIONS AND PROCEDURES LISTED IN APPLICATION D
SEG3-TEXT# ATED JULY 27, 1979. ITEM 17.A. OF THAT APPLICATIO
SEG3-TEXT# N REQUIRES THAT RADIATION SURVEYS BE PERFORMED BY
SEG3-TEXT# THE RADIATION SAFETY OFFICER IN ALL LABORATORIES U
SEG3-TEXT# SING RADIOACTIVE MATERIALS ON A QUARTERLY BASIS.
SEG3-TEXT# CONTRARY TO THE ABOVE, NO RADIATION SURVEYS WERE C
SEG3-TEXT# ONDUCTED BY THE RADIATION SAFETY OFFICE OF THE RES
SEG3-TEXT# EARCH LABS IN MILWAUKEE COUNTY GENERAL HOSPITAL BE
SEG3-TEXT# TWEEN OCTOBER 1980 AND JUNE 1981. THIS IS A REPEA
SEG3-TEXT# T ITEM OF NONCOMPLIANCE.
```

6. Listing an Entire Inspection Report

To list an entire inspection report you will have to either log onto SYSTEM 2000 using TSO or run the WYLBUR batch job. Give the command:

```
#IE76619(C10):
```

where C10 = up to the entire 12 digits of the docket report number

If you want to list out all the inspection reports on the database for a particular docket, you would specify only the 8 digit docket number in the command. For example, to get all inspection reports on the database for docket 05000304, you would give the command:

```
#IE76619(05000304):
```

If you want to list out all the inspection reports on the database for a particular report year and particular docket, you would specify the first 10 digits of the docket. For example, to get all inspection reports on the database for report year 82, docket 05000304, you would give the command:

```
#IE76619(0500030482):
```

If you want to list out a particular docket report, you would specify the entire 12 digit docket report number.

NOTE: If you want to have a more formatted report (i.e., includes the description of the code 766 form), you may want to try the Inspector's Audit Report using the "L" transaction (see Section VII for an explanation).

EXAMPLE:

To list out the inspection report for docket 03001360, report S201, you would give the command:

#IE76619(030013608201):

The output of the command would be:

DOCKET-REPORT# 030013608201
FROM DATE# 01/06/1982
TO DATE# 01/08/1982
INSPECTOR# 1
REGCONACT# 3
DIVISION# C
BRANCH# B
REG ACTION# 2
ACTIVITY TYPE# 02
INSP-INVEST FINDINGS# 1
FORM 591 ISSUED# 01/21/1982
INSP-INIT# WJA
PRIOCAT# 4
SUBPRIO# G
REGION# 3
DATE ENTERED# 02/24/1982
FACILITY TYPE# S

MODULE# 530703B
STAFFHRS# 0
PCT COMPLET# 0

MODULE# 578710B
STAFFHRS# 11
PCT COMPLET# 100
STATUS# C

MODULE# 592706B
STAFFHRS# 0
PCT COMPLET# 0

MODULE# 592702B
STAFFHRS# 0
PCT COMPLET# 0

7.

766 DATABASE COMPONENTS DESCRIPTION

COMPONENT NUMBER/NAME	CHARACTERISTICS	DESCRIPTION
<u>0</u> ENTRY		
10 DOCKET-REPORT	CHAR X(12)	docket report number position 1-8 docket number position 9-12 rept number
15 FROM DATE	DATE 9(6) MMDDYY	period of investigation/ inspection from date
20 TO DATE	DATE 9(6) MMDDYY	period of investigation/ inspection to date
25 INSPECTOR	CHAR X	inspection performed by 1 = regional office staff 2 = resident inspector 3 = performance appraisal team OTHER 4 = both regional office staff & resident inspector 5 = emergency preparedness appraisal team 6 = construction inspection team 7 = health physics appraisal team
30 REGCONACT	CHAR X	region conducting activity 1 = region 1 2 = region 2 3 = region 3 4 = region 4 5 = region 5 9 = headquarters
35 DIVISION	CHAR X	division code (from MPS) 0, A-D
40 BRANCH	CHAR X	branch code (from MPS) 0-9, A-Z
45 REG ACTION	CHAR X	regional action 1 = NRC FORM 591 2 = Regional Office Letter

766 DATABASE COMPONENTS DESCRIPTION

COMPONENT NUMBER/NAME	CHARACTERISTICS	DESCRIPTION
50 ACTIVITY TYPE	CHAR XX	type of activity conducted INSPECTIONS 02 = safety 03 = incident 04 = enforcement 05 = management audit 06 = management visit 07 = special 08 = vendor 09 = material account 10 = plant security 11 = inventory verification 12 = shipment/export 13 = import OTHER 14 = inquiry 15 = investigation
55 INSP-INVEST FINDINGS	CHAR X	inspection/investigation findings 1 = clear 2 = violation 3 = deviation 4 = violation & deviation
60 ENFCON HELD	CHAR X	enforcement conference held 1 = yes
65 INFO-2.790	CHAR X	report contains 2.790 information 1 = yes
70 FORM 591 ISSUED	DATE 9(6) MMDDYY	NRC Form 591 or Regional Letter Issued
75 RPT SENT TO HQ	DATE 9(6) MMDDYY	Report sent to HQ for action

766 DATABASE COMPONENTS DESCRIPTION

COMPONENT NUMBER/NAME	CHARACTERISTICS	DESCRIPTION
80 INSP-INIT	CHAR XXX	Inspector's initials
85 SAFEGN	CHAR X	Safeguard group number
90 PRIOCAT	CHAR XX	priority category
95 SUBPRIO	CHAR XXXX	sub-priority
100 REGION	CHAR X	region docket resides 1 = region 1 2 = region 2 3 = region 3 4 = region 4 5 = region 5
105 DATE ENTERED	DATE 9(6) MMDDYY	computer generated date entered the file
110 FACILITY TYPE	CHAR X	facility type POWER P = all construction reactors R = all operating reactors OTHER 3 = non-power reactors 4 = fuel facilities 5 = materials licensees 6 = vendors
115 REACTOR TYPE	CHAR X	reactor type S = BWR T = PWR
120 NSS SUPPLIER	CHAR X	Nuclear steam system supplier U = General Electric V = Babcock & Wilcox W = Westinghouse Y = Combustion Engineering

766 DATABASE COMPONENTS DESCRIPTION

COMPONENT NUMBER/NAME	CHARACTERISTICS	DESCRIPTION
<u>200 SEGMENT2</u>		
210 MODULE#	CHAR X(7)	module number
215 MOD-PRIORITY	CHAR X	module priority 1-3 for construction phase modules
220 STAFFHRS	INTEGER 999	Direct inspection effort in staff hours expended this inspection
225 PCT COMPLET	INTEGER 999	Percentage completed to date
230 STATUS	CHAR X	Status C = closed L = reopened, left open P = reopened, then closed
235 MODULE FOLLOWUP	CHAR X(7)	Module requiring followup
<u>300 SEGMENT3</u>		
310 SEG3-KEY	CHAR X(7)	Segment3 key for text
315 SEVERITY-DEV	CHAR X	Violation severity or deviation code 1-5 violation severity D = deviation
320 SITE RELATED	CHAR X	Site S = first site A = additional related sites

766 DATABASE COMPONENTS DESCRIPTION

COMPONENT NUMBER/NAME	CHARACTERISTICS	DESCRIPTION
<u>300 SEGMENT3</u>		
325 SEV-SUPPLEMT	CHAR X	Severity supplement 1 = reactor operations 2 = facility construction 3 = safeguards 4 = health physics 5 = transportation 6 = fuel cycle and materials operations 7 = miscellaneous matters
<u>400 SEGMENT4</u>		
410 SEG3-TEXT	TEXT X(50)	Violation or deviation text When deviation text has been specified, the first five positions of the first line of text should contain the deviation code, left justified.

8.

MARK IV JCL

The Mark IV image of the 766 database is stored on a 6250 bpi tape. This tape contains all the 766 transactions. The online database contains only the information from 79 inspections reports through the present.

JCL necessary for a Mark IV job:

Insert after the JOB card:

```
/HACCESS WDC4SSW  
/HCNTL SSMIV,EXC  
/HROUTE XEQ 9T6250  
/HMESSAGE 056552,R
```

The JCL necessary to describe the Mark IV file is:

```
//M4OLD DD DSN=WDC4SSW.MIV766,UNIT=9T6250,VOL=(PRIVATE,SER=056552),  
// DISP=(OLD,KEEP),DCB=(LRECL=32752,RECFM=VB,BLKSIZE=32760)
```

NOTE: You must also replace the file name in the RC card by FSSTMAST.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Instructions
for Task 4

JAN 21 1981

MEMORANDUM FOR: James R. Lundy, Chief
Computer Information Branch
Training and Administrative Staff
Office of Inspection and Enforcement

FROM: R. A. Hartfield, Chief
Licensee Operations Evaluation Branch
Office of Management and Program Analysis

SUBJECT: AUTOMATING THE GRAY BOOK PUBLICATION

At present, the monthly Gray Book (NUREG-0020 - Operating Units Status Report) is produced by gathering data from licensees, the regions and IE Headquarters; reworking the information as necessary for display purposes; and preparing display boards to send to the printer. This process has been cumbersome and recently MPA has initiated efforts to automate more of the publication process. Automation is to conserve resources and to produce a smaller sized publication.

In order to complete the planned automation task, MPA will need the cooperation and assistance of IE Headquarters and Regional data processing personnel. A standardized data file is required and the existing WYLBUR dataset (GRAY.BOOK on file AEC001) is not in a standard format. With the use of document formatting commands in the new WYLBUR, however, the Regional dataset can be processed as if it were in standard format. MPA has discussed the new WYLBUR capabilities with IE Headquarters data processing personnel. It appears that MPA can add these new formatting commands and make minor WYLBUR dataset changes, but needs the Regional personnel to be aware of the revised format. We believe these changes will have only a minor impact on their normal mode of updating the data file.

MPA plans to make the following changes to the GRAY.BOOK dataset late during the week of January 26th:

- (1) Insert a new first line that contains the Region number and docket and plant identifiers.

For example, REGION I INSPECTION REPORT FOR 334 BEAVER VALLEY.

- (2) Insert document formatting commands which are preceded by '#'.
For example, # BLOCK; VERBATIM
ALIGN LENGTH 130.
- (3) Precede all items related to the Facility Data section by an '=' in the first column.
- (4) Rejoin all hyphenated words.
- (5) Move the "Inspection Summary Section" so that "Other Items of Interest" follows it.
- (6) Delete the extraneous heading "Summary".
- (7) Insert standard titles such as "MANAGERIAL ITEMS:" and "PLANT STATUS:" under "Other Items of Interest".
- (8) The "Reports Received From Licensee" section was changed as follows:
 - (a) Title is standard: Reports From Licensee.
 - (b) Columns for headings and data are: 3, 13, 24, and 34.
 - (c) Each section is bordered with lines composed of '=' and '-'.

Refer to Attachments A and B for the "before" and "after" samples for each Region. These may be useful when you notify the Regions. Also attached (Attachment C) are five copies of the draft sample pages of the Automated Gray Book publication which can be transmitted to the Regions for their information.

The following instructions apply for use of the new WYLBUR format and need to be incorporated in the instructions at the Regional level.

- (1) All titles or beginning phrases such as "Managerial Items:" or "Inspection Summary" are not to be modified. They serve as delimiters for a computer program used in the Gray Book automated production process.
- ✓(2) No hyphenated words are permissible at the end of a sentence.
- ✓(3) If no text is given for a certain item then "NONE" is required.
- ✓(4) There must be at least one blank ^{LINE} before and after a paragraph of text.
- ✓(5) The entire WYLBUR dataset is to be maintained in upper case.

James R. Lundy

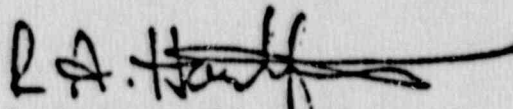
- 3 -

JAN 21 1981

The use of the revised format can begin after February 2, 1981. In general, the Regional operations can continue as before with minimal effort on their part. After an update has been made, usually prior to the 25th of the month, the Regional staff can notify LOEB that the Inspection Report is available for the Gray Book. Then at the beginning of the next month the file containing the Inspection Report can be used for updating for the next monthly report.

492-9831-

If you have any questions, please contact Mr. Carlos Monserrate (X29835) or me (X27834). If you feel a meeting is necessary, we would like to have it arranged as soon as practical so that we can stay on schedule.



R. A. Hartfield, Chief
Licensee Operations Evaluation Branch
Office of Management and Program Analysis

Attachments:
As stated

cc: w/o attachments
L. Cobb
J. Crooks
T. Cintula
P. Ross

GRAY BOOK - REGION 5

F A C I L I T Y D A T A

FACILITY DESCRIPTION FOR HUMBOLDT BAY UNIT NO. 3

1. LOCATION (STATE/COUNTY).....CALIFORNIA/HUMBOLDT
DISTANCE AND DIRECTION FROM
NEAREST POPULATION CENTER.....4 MILES SW OF EUREKA
2. ELECTRIC RELIABILITY COUNCIL.....WSCC
3. TYPE OF REACTOR.....BWR
4. LICENSED POWER LEVEL (MWT).....220
5. DESIGN ELECTRICAL RATING (MWE) NET).....65
6. CONDENSER COOLING METHOD.....CIRCULATING SEA WATER
7. CONDENSER COOLING WATER SOURCE.....PACIFIC OCEAN (HUMBOLDT BAY)
8. DATE OF INITIAL CRITICALITY.....2/16/63
9. DATE OF COMMERCIAL OPERATION.....AUGUST 1963

UTILITY & CONTRACTOR INFORMATION

10. LICENSEE.....PACIFIC GAS & ELECTRIC CO.
11. CORPORATE ADDRESS.....77 BEALE STREET
SAN FRANCISCO, CA 94106
12. CORPORATE CONTACT.....PHILIP A. CRANE, JR.
ASST. GENERAL COUNSEL
13. ARCHITECT/ENGINEER.....BECHTEL
14. NUCLEAR STEAM SYSTEM SUPPLIER.....GENERAL ELECTRIC
15. CONSTRUCTOR.....BECHTEL

REGULATORY INFORMATION

16. IE REGION RESPONSIBLE.....V
17. IE BRANCH CHIEF.....J. L. CREWS
18. IE SECTION CHIEF.....D. M. STERNBERG
19. IE PRINCIPAL INSPECTOR.....J. D. CARLSON
20. LICENSING PROJECT MANAGER.....V. L. RODNEY
21. DOCKET NUMBER.....58-133
22. LICENSE AND DATE OF ISSUANCE.....DPR-7, 8/28/62

THIS REPORT UPDATED ON 01/15/81 BY J. D. CARLSON

21. DOCKET NUMBER.....50-133

22. LICENSE AND DATE OF ISSUANCE.....DPR-7, 8/28/02

THIS REPORT UPDATED ON 01/15/01 BY J. D. CARLSON

I N S P E C T I O N S T A T U S

INSPECTION SUMMARY

INSPECTION ON DECEMBER 1-3, 1998 (REPORT NO. 50-133/00-00) REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

OTHER ITEMS OF INTEREST

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

THE PLANT HAS BEEN SHUT DOWN SINCE JULY 1976.

ITEMS REMAINING TO BE COMPLETED DURING THE OUTAGE HAVE BEEN DEFERRED PENDING RESOLUTION OF THE SEISMIC ISSUES AT THE PLANT SITE. A DATE FOR RETURN TO OPERATIONS HAS NOT BEEN ESTABLISHED.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

PLANT IS SHUT DOWN.

LAST IE SITE INSPECTION DATE: 12/01-03/00

INSPECTION REPORT NO: 50-133/00-00

BLOCK, VERBATIM

R E P O R T S F R O M L I C E N S E

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT

NONE

END

EVEN
ALIGN LENGTH 130

SECTION 5 INSPECTION REPORT FOR 313 HUMBOLDT BAY

BLOCK: VERBATIM

F A C I L I T Y D A T A

FACILITY DESCRIPTION FOR HUMBOLDT BAY UNIT NO. 3

- 1. LOCATION (STATE/COUNTY).....CALIFORNIA/HUMBOLDT
DISTANCE AND DIRECTION FROM
NEAREST POPULATION CENTER.....9 MILES SW OF EUREKA
 - 2. ELECTRIC RELIABILITY COUNCIL.....MSCC
 - TYPE OF REACTOR.....BWR
 - 4. LICENSED POWER LEVEL (MWt).....220
 - 5. DESIGN ELECTRICAL RATING (MWE NET).....65
 - 6. CONDENSER COOLING METHOD.....CIRCULATING SEA WATER
 - 7. CONDENSER COOLING WATER SOURCE.....PACIFIC OCEAN (HUMBOLDT BAY)
 - 8. DATE OF INITIAL CRITICALITY.....2/16/63
 - 9. DATE OF COMMERCIAL OPERATION.....AUGUST 1963
- UTILITY & CONTRACTOR INFORMATION
- 10. LICENSEE.....PACIFIC GAS & ELECTRIC CO.
 - 11. CORPORATE ADDRESS.....77 DEALE STREET
SAN FRANCISCO, CA 94106
 - 12. CORPORATE CONTACT.....PHILIP A. CHAME, JR.
ASSY. GENERAL COUNSEL
 - 13. ARCHITECT/ENGINEER.....BECHTEL
 - 14. NUCLEAR STEAM SYSTEM SUPPLIER.....GENERAL ELECTRIC
 - 15. CONSTRUCTOR.....BECHTEL
- REGULATORY INFORMATION
- 16. IE REGION RESPONSIBLE.....V
 - 17. IE BRANCH CHIEF.....J. L. CREWS
 - 18. IE SECTION CHIEF.....D. M. STERNBERG
 - 19. IE PRINCIPAL INSPECTOR.....J. D. CARLSON
 - 20. LICENSING PROJECT MANAGER.....V. L. ROONEY

I N S P E C T I O N S T A T U S

SYSTEMS AND COMPONENT PROBLEMS:

NONE.

FACILITY ITEMS (PLANS AND PROCEDURES):

THE PLANT HAS BEEN SHUT DOWN SINCE JULY 1976.

ITEMS REMAINING TO BE COMPLETED DURING THE OUTAGE
HAVE BEEN DEFERRED PENDING RESOLUTION OF THE SEISMIC ISSUES
AT THE PLANT SITE. A DATE FOR RETURN TO OPERATIONS HAS NOT
BEEN ESTABLISHED.

MANAGERIAL ITEMS:

NONE.

PLANT STATUS:

PLANT IS SHUT DOWN.

LAST IE SITE INSPECTION DATE: 12/01-03/80+

INSPECTION REPORT NO: 50-133/80-04+

SUMMARY

INSPECTION SUMMARY

INSPECTION ON DECEMBER 1-3, 1980 (REPORT NO. 50-133/80-04)
REPORT BEING PREPARED; TO BE REPORTED NEXT MONTH.

REPORTS RECEIVED FROM LICENSEE

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
--------	------------------	-------------------	---------

NONE

ST LUCIE I
ST LUCIE I

F A C I L I T Y D A T A

UTILITY & CONTRACTOR INFORMATION

UTILITY
LICENSEE.....FLORIDA POWER & LIGHT
CORPORATE ADDRESS.....P. O. BOX 013196
MIAMI, FLORIDA 33101

CONTRACTOR
ARCHITECT/ENGINEER.....CBASCO

MUC STEAM SYS SUPPLIER...COMBUSTION ENGINEERING

CONSTRUCTOR.....CBASCO

TURBINE SUPPLIER.....GENERAL ELECTRIC

REGULATORY INFORMATION

IE REGION RESPONSIBLE.....2

IE PRINCIPAL INSPECTOR.....J. A. OYER

LICENSING PROJ MANAGER.....P. D. ERICSON

DOCKET NUMBER.....59-335

LICENSE & DATE ISSUANCE.....DPR-67, MARCH 1, 1978

PUBLIC DOCUMENT ROOM.....INDIAN RIVER JO COLL LIBRARY
3209 VIRGINIA AVENUE
FT. PIERCE, FLORIDA 33450

INSPECTION SUMMARY

INSPECTION ON DECEMBER 6-7, (79-179) SPECIAL, ANNOUNCE INSPECTION OF SOLID WASTE HANDLING, INCLUDING MATTERS ADDRESSED IN
IF BULLETIN NO. 79-10 AND LICENSE FOLLOWUP OF PREVIOUS INSPECTION FINDINGS. THE INSPECTION INVOLVED 31 INSPECTION HOURS
BY ONE ARC INSPECTOR. NO ITEMS OF NONCOMPLIANCE WERE NOTED.

INSPECTION JANUARY 7-11 (80-11), THIS ROUTINE, ANNOUNCED INSPECTION INVOLVED 93 INSPECTION HOURS ON SITE AND OFFSITE IN THE
AREAS OF COORDINATION WITH OFFSITE SUPPORT FACILITIES, EQUIPMENT AND PROCEDURES; MEANS FOR PREVENTING
A RELEASE; EMERGENCY TRAINING; EMERGENCY DRILLS; FIRE BRIGADE ORGANIZATION AND TRAINING; EMERGENCY ORGANIZATION; IS BULLETIN
79-18 AND FOLLOWUP ON PREVIOUS INSPECTION FINDINGS. OF THE NINE AREAS INSPECTED, NO ITEMS OF NONCOMPLIANCE OR DEVIATIONS WERE
IDENTIFIED.

REQUIREMENT SUMMARY

AS REQUIRED BY 19 CFR 50, APPENDIX 9, CRITERION XI, A TEST SHALL BE ESTABLISHED WITH WRITTEN TEST PROCEDURES WHICH INCORPORATE
THE REQUIREMENTS CONTAINED IN APPLICABLE DESIGN DOCUMENTS. THE ACCEPTED QUALITY ASSURANCE (AQA) PROGRAM, SECTION 17.2.11,
REQUIRES THAT MODIFICATIONS SHALL BE TESTED IN ACCORDANCE WITH ORIGINAL DESIGN REQUIREMENTS. THE UNSPECIFIED SAFETY
QUESTION DETERMINATION FOR ENGINEERING CHANGE NOTICE (ECN) 1, 1496, DISC REPLACEMENT OF FLOW CONTROL VALVES (FCV), STATED IN
THE JUSTIFICATION FOR AN INCREASED POSSIBILITY OF ACCIDENT OR MALFUNCTION THAT THE CHANGING FCV'S WILL BE OPERATED IN
THE OPERATING RANGE AND OBSERVED BY QUALIFIED PERSONNEL. CONTRARY TO THE ABOVE, TWO SERVICE WATER FCV'S 3-23-52, 3-23
AND 3-23-50 WERE MODIFIED BUT THEY WERE NOT TESTED OVER THE ENTIRE OPERATING RANGE AND OBSERVED BY QUALIFIED PERSONNEL, AS
REQUIRED BY THE UNREVIEWED SAFETY QUESTION DETERMINATION ANALYSIS. (1980 INFRACTION)

ST LUCIE 1

OTHER ITEMS

SYSTEMS AND COMPONENT PROBLEMS:

NONE

FACILITY ITEMS (PLANS AND PROCEDURES):

NONE

MANAGERIAL ITEMS:

TRAINING FOR A OF APPROXIMATELY 70 GUP EXEMPT PERSONNEL CONCERNING A HIGH RADIATION OCCURRENCE AT THE FUEL POOL ON JANUARY 10, 1979 HAD NOT BEEN COMPLETE. (79-17)

AWI STATUS:

CURRENTLY OPERATING AT 200 MW. THE PLANT WAS SHUTDOWN DURING THE FIRST TWO WEEKS OF JANUARY TO MAKE REQUIRED SHORT TERM LESSONS LEARNED CHANGES OF NUREG 8570.

LAST IN SITE INSPECTION D-1E, SEPTEMBER 20, 1980 - OCTOBER 1, 1980

INSPECTION REPORT NO: 50-335/80-31

L I C E N S E E R E P O R T S

NUMBER	DATE OF EVENT	DATE OF REPORT	SUBJECT
79-037/031	10/05/79	11/05/79	DURING NORMAL OPERATION ESFAS SENSOR CABINET 2F WAS DEENERGIZED TEMPORARILY TO REPLACE A FAILED VOLTAGE METER
79-050/031	10/22/79	11/20/79	SHUTDOWN COOLING WAS LOST FOR APPROXIMATELY 3 MINUTES DUE TO A PERSONNEL ERROR IN REMOVING THE WINDING PRESSURE TRANSMITTER FROM SERVICE
-039/031	10/24/79	11/07/79	AS A RESULT OF FOLLOWUP ON IED 79-14 IT WAS DISCOVERED THAT THE AIR START SVST FOR THE DIESEL GENERATOR DID NOT MEET SEISMIC REQUIREMENTS

INSTRUCTORS FOR UPDATING YELLOW BOOK

DUE BY 15TH OF EVERY FOURTH MONTH FOR QUARTERLY DATA (E.G. 15)
BEGIN PRELIMINARY WORK BY 15TH OF APPROPRIATE MONTH

USE REPORT FOR DATA TO UPDATE YELLOW BOOK AS WELL AS ANY
AWAITING INPUT TO MASTER FILE CURRENT TCC DATA

OBTAIN LAST QUARTERS' YELLOW BOOK FROM FILE DRAWER AND USE
TO UPDATE YELLOW BOOK -

ENTER DATA BASED ON SELECTED "TO" INSPECTION DATES
CHANGE REPORTING PERIOD OR HEADINGS

LIST OFF COPY OF YELLOW BOOK -

UPON COMPLETION PASS ON UPDATE TO MIS COORDINATOR
FINAL LIST TO BE KEPT IN FILE DRAWER

56.
57.
58.
59.
60.
61.
62.
63.
64.
65.
66.
67.
68.
69.
70.
71.
72.
73.
74.
75.
76.
77.
78.
79.
80.
81.
82.
83.

REGIONAL YELLOW BOOK VTA

TIME PERIOD
JAN, 1979 - APR, 1979

DOCKET NUMBER	REPORT NUMBER	BFG DATE OF INSP.	FAD DATE OF INSP.
05000446	7901	01-02-79	01-31-79
	7902	01-08-79	01-10-79
	7903	02-01-79	02-29-79
	7904	02-05-79	02-02-79
	7905	02-13-79	02-13-79
	7906	03-01-79	02-30-79
	7907	03-08-79	03-13-79
	7908	03-26-79	03-20-79

1 COMPLETE ON CONSTRUCTION FACILITY: 291

FUEL LOAD SLIP DATES: NO CHANGE

INSPECTION REPORTS ARE AVAILABLE AT REGIONAL PDR'S.

15.
 16.
 17.
 18.
 19.
 20.
 21.
 22.
 23.
 24.
 25.
 26.
 27.
 28.
 29.
 30.
 31.
 32.
 33.
 34.
 35.
 36.
 37.
 38.
 39.
 40.
 41.
 42.
 43.
 44.
 45.
 46.
 47.
 48.
 49.
 50.
 51.
 52.
 53.
 54.
 55.
 56.
 57.
 58.
 59.
 60.
 61.
 62.
 63.
 64.
 65.
 66.
 67.
 68.
 69.
 70.
 71.
 72.
 73.
 74.
 75.
 76.
 77.
 78.
 79.
 80.
 81.
 82.
 83.
 84.
 85.
 86.
 87.
 88.
 89.
 90.
 91.
 92.
 93.
 94.
 95.
 96.
 97.
 98.
 99.
 100.
 101.
 102.
 103.
 104.
 105.
 106.
 107.
 108.
 109.
 110.
 111.

REGIONAL YELLOW BOOK DATA

TIME PERIOD
 JAN, 1979 - APR, 1979

DOCKET NUMBER	REPORT NUMBER	BEG DATE OF INSP.	END DATE OF INSP.
050004R2	7813	11-13-78	02-08-79
	7901	01-15-79	01-18-79
	7902	01-15-79	01-15-79
	7903	02-20-79	02-23-79
	7904	03-05-79	03-08-79
	7905	03-26-79	03-29-79
	7906	04-02-79	04-04-79
	7908	04-16-79	04-19-79

& COMPLETE ON CONSTRUCTION FACILITY: 298

FUEL LOAD SLIP DATES: NONE

INSPECTION REPORTS ARE AVAILABLE AT REGIONAL PDR'S.

U. S. GOVERNMENT PRINTING OFFICE: 1988-489-108

NRC FORM 89
(10-88)
NRCN 2101

PHOTO BADGE REQUEST
(See Reverse for Instructions and Privacy Act Statement)

U. S. NUCLEAR REGULATORY COMMISSION

SECTION A - TO BE COMPLETED BY REQUESTER										
(1)	FULL NAME (Last, First, Middle)					SOCIAL SECURITY NO.		PLACE OF BIRTH		
(2)	DATE OF BIRTH	SEX	HEIGHT	WEIGHT	COLOR HAIR EYES		<input type="checkbox"/> U. S. CITIZEN <input type="checkbox"/> ALIEN - COUNTRY _____ <input type="checkbox"/> NRC <input type="checkbox"/> OTHER (Specify) _____ <input type="checkbox"/> CONSULTANT			
(3)	REQUESTING OFFICE OR DIVISION				EMPLOYED BY			EFFECTIVE DATE	EXPIRATION DATE	
(4)	SIGNATURE - REQUESTING OFFICE/DIVISION DIRECTOR					DATE		TYPE OF CLEARANCE REQUESTED		CARD KEY
(5)	TITLE							<input type="checkbox"/> "D" <input type="checkbox"/> "L" <input type="checkbox"/> OTHER (Specify) _____		<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)	ADDITIONAL INFORMATION (To be completed by badge issuer)									
SECTION B - TO BE COMPLETED BY THE DIVISION OF SECURITY										
TYPE CLEARANCE		CLEARANCE NUMBER		BADGE CATEGORY		SPECIAL CATEGORY		DATE GRANTED		
OTHER (Specify)						CERTIFIED (Signature and date)				
SECTION C - TO BE COMPLETED BY THE DIVISION OF SECURITY										
SUBSEQUENT CLEARANCE ACTIONS						CERTIFIED (Signature and date)				
UPGRADE		DOWNGRADE		TERMINATE						
CURRENT LEVEL OF CLEARANCE AND DATE						DATE -				

NOTE: COMPLETE ONLY LINES ONE AND TWO