

REQUEST FOR OMB REVIEW

INTERIM USE FORM SF 83
FOR USE BEGINNING 4-83**IMPORTANT** — READ INSTRUCTIONS BEFORE COMPLETING FORM. DO NOT USE THE SAME SF 83 TO SIMULTANEOUSLY REQUEST AN EXECUTIVE ORDER 12291 REVIEW AND APPROVAL UNDER THE PAPERWORK REDUCTION ACT.

ANSWER ALL QUESTIONS IN PART I. IF THIS REQUEST IS FOR REVIEW UNDER E.O. 12291, COMPLETE PART II AND SIGN THE CERTIFICATION. IF THIS REQUEST IS FOR APPROVAL UNDER THE PAPERWORK REDUCTION ACT AND 5 CFR 1320, SKIP PART II, COMPLETE PART III AND SIGN THE CERTIFICATION.

SEND THREE COPIES OF THIS FORM, THE MATERIAL TO BE REVIEWED, AND FOR PAPERWORK -- THREE COPIES OF THE SUPPORTING STATEMENT TO: OFFICE OF INFORMATION AND REGULATORY AFFAIRS, OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, D.C. 20503 -ATTENTION DOCKET LIBRARY ROOM 3201

PART I.

1. DEPARTMENT/AGENCY and BUREAU/OFFICE
ORIGINATING REQUEST2. AGENCY
CODE3. NAME AND TELEPHONE NUMBER OF PERSON WHO
CAN BEST ANSWER QUESTIONS REGARDING
THIS REQUESTU.S. Nuclear Regulatory Commission 3 1 5 0June P. Robertson
(301) 427-40044. TITLE OF INFORMATION COLLECTION OR RULEMAKING
DOE/NRC Form 741 and 741A - Nuclear Material Transaction Report
and NUREG/BR-00065. LEGAL AUTHORITY FOR INFORMATION COLLECTION OR RULE
(CITE UNITED STATES CODE, PUBLIC LAW, OR EXECUTIVE
ORDER)42 USC 2201(o) OR

6. AFFECTED PUBLIC (CHECK ALL THAT APPLY)

- ☐ 1. INDIVIDUALS OR HOUSEHOLDS
☐ 2. STATE OR LOCAL GOVERNMENTS
☐ 3. FARMS
☒ 4. BUSINESSES OR OTHER FOR-PROFIT
☐ 5. FEDERAL AGENCIES OR EMPLOYEES
☐ 6. NON-PROFIT INSTITUTIONS
☒ 7. SMALL BUSINESSES OR ORGANIZATIONS

PART II. COMPLETE THIS PART ONLY IF THE REQUEST IS FOR OMB REVIEW UNDER EXECUTIVE ORDER 12291.

7. REGULATORY INFORMATION NUMBER (RIN)

9. CFR SECTION AFFECTED

CFR

8. TYPE OF SUBMISSION

CLASSIFICATION

- ☐ 1. MAJOR
☐ 2. NONMAJOR

STAGE OF DEVELOPMENT

- ☐ 1. PROPOSED OR DRAFT
☐ 2. FINAL OR INTERIM FINAL, WITH PRIOR
PROPOSAL
☐ 3. FINAL OR INTERIM FINAL, WITHOUT PRIOR
PROPOSAL

TYPE OF REVIEW REQUESTED

- ☐ 1. STANDARD
☐ 2. PENDING
☐ 3. EMERGENCY
☐ 4. STATUTORY OR JUDICIAL DECREE

10. DOES THIS REGULATION CONTAIN REPORTING OR RECORD-
KEEPING REQUIREMENTS THAT REQUIRE OMB APPROVAL UNDER
THE PAPERWORK REDUCTION ACT AND 5 CFR 1320?YES ☐ NO ☐11. IF A MAJOR RULE, IS THERE A REGULATORY IMPACT
ANALYSIS ATTACHED?1. YES ☐ 2. NO ☐ — IF NO, DID OMB WAIVE
THE ANALYSIS?3. YES ☐ 4. NO ☐12. DOES THIS REGULATION AFFECT ANY TRADE SENSITIVE
ACTIVITY?YES ☐ NO ☐

CERTIFICATION FOR REGULATORY SUBMISSIONS: IN SUBMITTING THIS REQUEST FOR OMB REVIEW, THE AUTHORIZED REGULATORY CONTACT AND THE PROGRAM OFFICIAL CERTIFY THAT THE REQUIREMENTS OF E.O. 12291 AND ANY APPLICABLE POLICY DIRECTIVES HAVE BEEN COMPLIED WITH.

SIGNATURE OF PROGRAM OFFICIAL

DATE

SIGNATURE OF AUTHORIZED REGULATORY CONTACT

DATE

8309150513 830912
PDR ORG EUSOMB
PDR

PART III. COMPLETE THIS PART ONLY IF THE REQUEST IS FOR APPROVAL OF A COLLECTION OF INFORMATION UNDER THE PAPERWORK REDUCTION ACT AND 5 CFR 1320.

13. ABSTRACT - DESCRIBE NEEDS, USES AND AFFECTED PUBLIC IN 50 WORDS OR LESS

NRC and Agreement State licensees are required to make inventory and accounting reports for certain source or special nuclear material inventory changes, for transfers or receipts of special nuclear material, or 1 kilogram or more of source material.

14. TYPE OF INFORMATION COLLECTION (CHECK ONE ONLY)

INFORMATION COLLECTIONS NOT CONTAINED IN RULES

- ☒ 1. REGULAR SUBMISSION
☐ 2. EMERGENCY SUBMISSION

(CERTIFICATION ATTACHED)

INFORMATION COLLECTIONS CONTAINED IN RULES

- ☐ 3. EXISTING REGULATION (NO CHANGE PROPOSED)
☐ 4. NOTICE OF PROPOSED RULEMAKING (NPRM)
☐ 5. FINAL, NPRM WAS PREVIOUSLY PUBLISHED
☐ 6. FINAL OR INTERIM FINAL WITHOUT PRIOR NPRM
☐ A. REGULAR SUBMISSION
☐ B. EMERGENCY SUBMISSION
(CERTIFICATION ATTACHED)

DATE OF EXPECTED OR ACTUAL FEDERAL REGISTER PUBLICATION AT THIS STAGE OF RULEMAKING --

_____, 19____

15. TYPE OF REVIEW REQUESTED (CHECK ONE ONLY)

- ☐ 1. NEW COLLECTION
☐ 2. REVISION OF A CURRENTLY APPROVED COLLECTION
☐ 3. EXTENSION OF THE EXPIRATION DATE OF A CURRENTLY APPROVED COLLECTION WITHOUT ANY CHANGE IN THE SUBSTANCE OR IN THE METHOD OF COLLECTION
☒ 4. REINSTATEMENT OF A PREVIOUSLY APPROVED COLLECTION FOR WHICH APPROVAL HAS EXPIRED
☐ 5. EXISTING COLLECTION IN USE WITHOUT AN OMB CONTROL NUMBER

16. AGENCY REPORT FORM NUMBER(S)

DOE/NRC Form 741 & 741A, & NUREG-BR-0006

17. ANNUAL REPORTING OR DISCLOSURE BURDEN

1. NUMBER OF RESPONDENTS	1,500
2. NUMBER OF RESPONSES PER RESPONDENT	84
3. TOTAL ANNUAL RESPONSES (1 x 2)	126,000
4. HOURS PER RESPONSE	1
5. TOTAL HOURS (3 x 4)	126,000

18. ANNUAL RECORDKEEPING BURDEN

1. NUMBER OF RECORDKEEPERS	_____
2. ANNUAL HOURS PER RECORDKEEPER	_____
3. TOTAL RECORDKEEPING HOURS (1 x 2)	_____
4. RECORDKEEPING RETENTION PERIOD	_____ YEARS

19. TOTAL ANNUAL BURDEN

1. REQUESTED (17-5 + 18-3)	126,000
2. IN CURRENT OMB INVENTORY	72,600
3. DIFFERENCE (1 - 2)	+ 53,400
EXPLANATION OF DIFFERENCE	
4. PROGRAM CHANGE	± _____
5. ADJUSTMENT	+ 53,400

20. CURRENT (MOST RECENT) OMB CONTROL NUMBER OR COMMENT NUMBER

3150-0003

21. REQUESTED EXPIRATION DATE

6/30/86

22. PURPOSE OF INFORMATION COLLECTION (CHECK AS MANY AS APPLY)

- ☐ 1. APPLICATION FOR BENEFITS
☐ 2. PROGRAM EVALUATION
☐ 3. GENERAL PURPOSE STATISTICS
☒ 4. REGULATORY OR COMPLIANCE
☐ 5. PROGRAM PLANNING OR MANAGEMENT
☐ 6. RESEARCH
☐ 7. AUDIT

23. FREQUENCY OF RECORDKEEPING OR REPORTING (CHECK ALL THAT APPLY)

- ☐ 1. RECORDKEEPING REPORTING
☒ 2. ON OCCASION
☐ 3. WEEKLY
☐ 4. MONTHLY
☐ 5. QUARTERLY
☐ 6. SEMI-ANNUALLY
☐ 7. ANNUALLY
☐ 8. BIENNIAL
☐ 9. OTHER - DESCRIBE

24. RESPONDENTS OBLIGATION TO COMPLY (CHECK THE STRONGEST OBLIGATION THAT APPLIES)

- ☐ 1. VOLUNTARY
☐ 2. REQUIRED TO OBTAIN OR RETAIN A BENEFIT
☒ 3. MANDATORY

25. ARE THE RESPONDENTS PRIMARILY EDUCATIONAL AGENCIES OR INSTITUTIONS OR IS THE PRIMARY PURPOSE OF THE COLLECTION RELATED TO FEDERAL EDUCATION PROGRAMS?

YES ☐ NO ☒

26. DOES THE AGENCY USE SAMPLING TO SELECT RESPONDENTS OR DOES THE AGENCY RECOMMEND OR PRESCRIBE THE USE OF SAMPLING OR STATISTICAL ANALYSIS BY RESPONDENTS?

YES ☐ NO ☒

27. REGULATORY AUTHORITY FOR THE INFORMATION COLLECTION

10 CFR 40.64, 50.71, 70.54, 75.31
75.34, 150.16, 150.17, 150.19
FR _____, or

OTHER (SPECIFY) _____

PAPERWORK CERTIFICATION: IN SUBMITTING THIS REQUEST FOR OMB APPROVAL, THE AGENCY HEAD, THE SENIOR OFFICIAL OR AN AUTHORIZED REPRESENTATIVE, CERTIFIES THAT THE REQUIREMENTS OF THE PRIVACY ACT AND OMB DIRECTIVES HAVE BEEN COMPLIED WITH INCLUDING PAPERWORK REGULATIONS, STATISTICAL STANDARDS OR DIRECTIVES, AND ANY OTHER INFORMATION POLICY DIRECTIVES PROMULGATED UNDER THE PAPERWORK REDUCTION ACT OF 1980.

SIGNATURE OF PROGRAM OFFICIAL

DATE

SIGNATURE OF AGENCY HEAD OR THE SENIOR OFFICIAL OR AN AUTHORIZED REPRESENTATIVE

DATE

Patricia G. Morry, Director
Office of Administration

9-16-83

SUPPORTING STATEMENT
FOR
DOE/NRC FORM 741, 741A,
and NUREG/BR-0006

Justification

a. Need for the Information Collection

In order for the United States to fulfill its responsibilities as a participant in the US/IAEA Safeguards Agreement and to carry out its domestic safeguards responsibilities, it is necessary for licensees affected by 10 CFR Part 75 and related sections of Parts 40, 50, 70, and 150 to submit accounting reports. The accounting reports for each IAEA material balance area must include inventory change reports showing all changes in the inventory of nuclear material.

NRC regulations (10 CFR 30.55, 40.64, 50.71, 70.54, 75.31, 75.34, 150.16, 150.17, and 150.19) require NRC and Agreement State licensees to make certain inventory and accounting reports for reporting any special nuclear material (SNM) or source material inventory changes that meet certain criteria; for each transfer and receipt of SNM of 1 gram or more of contained uranium-235, uranium-233, or plutonium, or any combination thereof; or 1 kilogram or more of source material (depleted uranium, natural uranium, or thorium).

DOE/NRC Form 741, "Nuclear Material Transaction Report" (and its continuation sheet, Form 741A, are used for the collection of this information. NRC and the Department of Energy (DOE) jointly utilize a Nuclear Materials Management and Safeguards System (NMMSS). Common reporting forms are used to minimize the reporting burden on industry members required to provide nuclear material data to one or both agencies in accordance with prevailing regulations or contractual obligations. The licensee is thus able to file one report to meet the requirements of both agencies. Compliance with specific reporting requirements is monitored by the agency for which the specific data is required.

b. Practical Utility of the Information Collection

NRC is required to collect nuclear material transaction information for domestic safeguards use and make it available to the IAEA. The use of Forms 741 and 741A, together with NUREG/BR-0006, the instructions for completing the forms, enables NRC to collect, retrieve, analyze as necessary, and submit the data to IAEA to fulfill its reporting responsibilities. Without these report forms, in ADP format, NRC's ability to collect and provide this data would be severely limited.

c. Duplication of other Collections of Information

There is a small amount of duplication in that, upon termination of licensed operations by a licensee, NRC requires the licensee to file NRC Form 314, reporting the transfer or other disposition of any

remaining licensed radioactive material, and the date of transfer. This small duplication imposes a minimal burden on licensees, and is necessary to maintain accountability of licensed material in NMMSS and to permit NRC to make a determination whether the facility has been cleared of radioactive material and is suitable for release for unrestricted use or whether additional decontamination measures may be required.

d. Consultations Outside NRC

There have been no consultations outside NRC since the previous clearance of these forms.

Description of the Information Collection

a. Number and Type of Respondents

This reporting requirement affects approximately 1500 persons licensed by the NRC or an Agreement State to possess source or special nuclear material at certain types of facilities, or at any location in amounts greater than one effective kilogram.

b. Method and Schedule for the Information Collection

Forms and instructions are provided to all affected licensees by NRC. Reports are required as occasioned by the occurrence of specified events, such as the receipt, transfer, or adjustment to inventory of licensed material. Reports are collected on a continuing basis as transactions occur. The data is entered into the NMMSS as received. The information is not compiled and published. However, it is available to the public for inspection and copying.

c. Copies Required

Three copies of the form are required to be submitted. One copy is filed with the NRC and two copies are submitted to the receiver of the shipment. The receiver completes the forms, returns one to the shipper, and sends one to NRC.

Estimate of Burden

a. Estimated Hours Required to Respond to the Information Requirement

The burden for preparation and submission of each report is estimated to be one hour. The number of reports submitted annually will vary with the size and type of licensed operation. Large licensees with complex operations may submit 1,000 forms annually. Small licensees may submit 50 forms annually. A total of approximately 126,000 reports are expected to be submitted annually. Thus, the total resulting burden for all licensees will be 126,000 hours. The increased burden is attributable to an increased number of transactions being reported. Part of this increase, 6,400 hours, is attributable to a program change resulting from a proposed rule amending 10 CFR Sections 40.64(a) and 150.17(a) to lower the reportable quantity of source material transfers from 1,000 kilograms to 1 kilogram.

b. Estimated Cost to Respond

The average annual cost to each respondent to comply with this requirement is estimated to be \$5,040. The total annual cost to all affected licensees is estimated to be \$7,560,000. Cost estimates are based on a rate of \$60/hour.

c. Source of Burden Data and Method of Estimating Burden

This data is based on informal consultations by the staff with a small number of typical licensees and on actual reports submitted by licensees during CY 1982.

Estimate of Cost to the Federal Government

Annual Cost - NRC Staff Review (Professional effort - 5 min/form @ \$60/hr)	= \$ <u>630,000</u>
Annual Cost - Clerical Processing (Clerical effort - 60 min/form @ \$60/hr)	= \$ <u>*</u>
Annual Administrative Costs (Postage, handling, envelopes, etc.)	= \$ <u>1,700</u>
Annual Cost for Record Holdings (65 cu. ft x \$209/cu. ft.)	= \$ <u>*</u>
Annual Printing Costs	= \$ <u>2,788</u>
Annual Cost for Storage of Forms in NRC Supply (\$2.10 per 1,000)	= \$ <u>5</u>
Annual ADP Cost	= \$ <u>330,625 *</u>
Total Annual Cost	= \$ <u>965,118 *</u>

* NRC and DOE share the cost of operating the Nuclear Materials Management and Safeguards System (NMMSS). Current and projected cost of the system is: FY 82, \$1.2 million; FY 83, \$1.115 million; FY 84, \$1.3 million; FY 85, \$1.675 million. As indicated in the Supporting Statement for 10 CFR Part 73, OMB No. 3150-0002, 75% of the cost of the system is attributable to Part 73. The remaining 25% is attributable to these nuclear materials transaction and accounting report forms. This includes the cost of ADP, record holding, and clerical processing of all forms (DOE/NRC Forms 741, 741A, 740M, 742, 742C, and IAEA Form N-71). It is not possible to suballocate this cost to individual forms. For simplicity, this entire cost is allocated to Form 741 (OMB No. 3150-0003) and is omitted from the cost data for the remaining forms

Annual Cost = $\frac{\$1.2 + \$1.115 + \$1.3 + \$1.675}{4}$ = $\frac{\$5.29 \text{ million}}{4}$ = \$1.3225 million of System

Annual ADP Cost = $\frac{\$1.323 \text{ million}}{4}$ = \$330,625 Attributable to Forms

Approved by OMB
038-R0478
Approved by OMB
3150-0003

75,150, Public Laws 83-703, 93-438, 95-971																					
1. CARRIER (SEE 1-10)		2. WEIGHING (SEE 1-10)		3. TRANSPORTATION (SEE 1-10)		4. CARRIER (SEE 1-10)		5. PROCEEDING (SEE 1-10)		6. RECEIVED (SEE 1-10)		7. ACTION (SEE 1-10)		8. DATA (SEE 1-10)		9. INFORMATION (SEE 1-10) (SEE 1-10)					
						CARRIER		RECEIVED		CARRIER		RECEIVED		PAGE		OF		PAGES			
														NO.		DECLARATION OF COMPLETION					
10. NAME AND ADDRESS OF SHIPPER		11. LICENSE NO.		12. NAME AND ADDRESS OF RECEIVER		13. LICENSE NO.		14. NO. OF DATA LINES (SEE 1-10)				15. NATURE OF TRANSACTION (SEE 1-10)						1			
								16. SHIPPED FOR ACCOUNT OF				17. NO. (SEE 1-10)				18. SHIPPED TO ACCOUNT OF				2	
																3					
																4					
																5					
19. ATTENTION				20. ATTENTION												6					
21. TELEPHONE				22. TELEPHONE												7					
23. TRANSPORTATION CONTRACT (SEE 1-10) (SEE 1-10) (SEE 1-10)																8					
																9					
24. TRANSPORTATION PROFILE														25. FREIGHT IDENTIFICATION		26. ACTION DATE		10			
A. TAIL		B. CARRIER IDENTIFICATION		C. TRANSPORT POINT		D. MODES (D)		E. NUMBER				F. MONTH (SEE 1-10)		G. DAY (SEE 1-10)		H. YEAR (SEE 1-10)					
1		1000 000		1		1000 000		1000 000		A. SHIPMENT											
2		1000 000		1000 000		1000 000		1000 000		B. SHIPPER'S CONNECTION											
3		1000 000		1000 000		1000 000		1000 000		C. RECEIPT											
4		1000 000		1000 000		1000 000		1000 000		D. RECEIVER'S MEASUREMENT											
5		1000 000		1000 000		1000 000		1000 000		E. RECEIVER'S CONNECTION											
27. TOTAL GROSS WEIGHT (SEE 1-10)														28. TOTAL VOLUME (SEE 1-10) (SEE 1-10)		29. TOTAL WEIGHT (SEE 1-10) (SEE 1-10)		30. TOTAL VOLUME (SEE 1-10) (SEE 1-10)			

[illegible]

18. U.S.C. SECTION 1001, ACT OF JUNE 25, 1948, 62 STAT. 749, MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

NUCLEAR MATERIAL TRANSACTION REPORT

(Continuation Page)

[illegible]

SUPPORTING STATEMENT
FOR
DOE/NRC FORM 740M
CONCISE NOTE

Justification

a. Need for the Information Collection

In order for the United States to fulfill its responsibilities as a participant in the US/IAEA Safeguards Agreement and satisfy its domestic safeguards responsibilities, it is necessary for NRC to require that DOE/NRC Form 740M, "Concise Note," be submitted by licensees affected by 10 CFR Part 75 and related sections of Parts 40, 50, 70, and 150 to inform the U.S. or the IAEA of any qualifying statement or exception to any of the data contained in any of the other reporting forms required under the US/IAEA Safeguards Agreement.

b. Practical Utility of the Information Collection

NRC is required to collect nuclear material transaction information for domestic safeguards use and make it available to the IAEA. DOE/NRC Form 740M is used to provide information concerning qualifying statements or exceptions to other data forms submitted. The use of Form 740M, together with NUREG/BR-0006 and NUREG/BR-0007, the instructions for completing the forms, enables NRC to collect, retrieve, analyze as necessary, and submit the data to IAEA to fulfill its reporting responsibilities. Without these report forms, in ADP format, NRC's ability to collect and provide this data would be severely limited.

c. Duplication of other Collections of Information

In general, information required by NRC in reports or records concerning the transfer, receipt, or change in inventory of source or special nuclear material does not duplicate other Federal information collection requirements and is not available from any source other than applicants or licensees. Portions of the needed information might also be contained in other information submittals to NRC or other Federal agencies. However, duplication, if any, is slight, and the collection of this information by use of specified forms and other required reports and records is the most effective and least burdensome means of obtaining the information.

d. Consultations Outside NRC

There have been no consultations outside NRC since the previous clearance of these forms.

Description of the Information Collection

a. Number and Type of Respondents

Only those facilities which have been notified by letter from NRC that they are subject to 10 CFR Part 75 and those licensees who import or export nuclear materials are affected. Facility attachments or Transitional Facility Attachments for such facilities may specify circumstances under which Concise Notes are required to be submitted to the IAEA as attachments to other reports. In addition, a proposed rule will require submission of this form by licensees importing or exporting specified nuclear material. Approximately 85 licensees will have to submit Form 740M annually.

b. Method and Schedule for the Information Collection

Forms and instructions are provided to all affected licensees by NRC. Reports are required as occasioned by the occurrence of specified events, such as the receipt, transfer, or adjustment to inventory of licensed material. Reports are collected on a continuing basis as transactions occur. The data is entered into the NMMSS as received. The information is not compiled and published. However, it is available to the public for inspection and copying.

c. Copies Required

Three copies of the form are required to be submitted. One copy is filed with the NRC and two copies are submitted to the receiver of the shipment. The receiver completes the forms, returns one to the shipper, and sends one to NRC.

Estimate of Burden

a. Estimated Hours Required to Respond to the Information Requirement

Eighty six respondents are affected by this requirement. They are expected to submit an average of 30 forms each, annually. A total of approximately 2,580 reports are expected to be submitted annually. The burden for preparation and submission of each report is estimated to be one hour. The total resulting burden for required submissions of the form by all licensees will be 2,580 hours. The increase from the previous clearance reflects an increased number of submittals as a result of an increased number of material transfers.

b. Estimated Cost to Respond

The annual cost to each respondent to comply with this requirement is estimated to be \$1,800. The total annual cost to all affected licensees is estimated to be \$154,800. Cost estimates are based on a rate of \$60 per hour.

c. Source of Burden Data and Method of Estimating Burden

This data is based on informal consultations by the staff with a small number of typical licensees and actual reports submitted by licensees during CY 1981.

Estimate of Cost to the Federal Government

Annual Cost - NRC Staff Review (Professional effort - 5 min/form @ \$40/hr)	= \$ <u>12,900</u>
Annual Cost - Clerical Processing (Clerical effort - 60 min/form @ \$20/hr)	= \$ <u>*</u>
Annual Administrative Costs (Postage, handling, envelopes, etc.)	= \$ <u>300</u>
Annual Cost for Record Holdings (1 cu. ft x \$209/cu. ft.)	= \$ <u>*</u>
Annual Printing Costs	= \$ <u>500</u>
Annual Cost for Storage of Forms in NRC Supply (\$2.10 per 1,000)	= \$ <u>2</u>
Annual ADP Cost	= \$ <u>*</u>
Total Annual Cost	= \$ <u>13,702</u>

* NRC and DOE share the cost of operating the Nuclear Materials Management and Safeguards System (NMMSS). Current and projected cost of the system is: FY 82, \$1.2 million; FY 83, \$1.115 million; FY 84, \$1.3 million; FY 85, \$1.675 million. As indicated in the Supporting Statement for 10 CFR Part 73, OMB No. 3150-0002, 75% of the cost of the system is attributable to Part 73. The remaining 25% is attributable to these nuclear materials transaction and accounting report forms. This includes the cost of ADP, record holding, and clerical processing of all forms (DOE/NRC Forms 741, 741A, 740M, 742, 742C, and IAEA Form N-71). It is not possible to suballocate this cost to individual forms. For simplicity, this entire cost is allocated to Form 741 (OMB No. 3150-0003) and is omitted from the cost data for the remaining forms

$$\text{Annual Cost of System} = \frac{\$1.2 + \$1.115 + \$1.3 + \$1.675}{4} = \frac{\$5.29 \text{ million}}{4} = \$1.3225 \text{ million}$$

$$\text{Annual ADP Cost Attributable to Forms} = \frac{\$1.323 \text{ million}}{4} = \$330,625$$

DOE/NRC FORM 740M

MANDATORY DATA COLLECTION
AUTHORIZED BY 10 CFR 30.40, 50,
70, 75, 150, Public Laws 83-703,
93-438, 95-91

U.S. DEPARTMENT OF ENERGY
AND
U.S. NUCLEAR REGULATORY COMMISSION

CONCISE NOTE

Approved by OMB
038-R0477
Approved by OMB
3150-0057
Expires 6-30-83

[illegible]

SUPPORTING STATEMENT
FOR
IAEA FORM N-71
DESIGN INFORMATION QUESTIONNAIRE
(10 CFR Section 75.11)

Justification

a. Need for the Information Collection

In order for the United States to fulfill its responsibilities as a participant in the US/IAEA Safeguards Agreement, it is necessary for licensees affected by 10 CFR Part 75 and related sections of Parts 40, 50, 70, and 150 to submit information concerning their installation for the use of the IAEA.

IAEA Form N-71, "Design Information Questionnaire," is used for the collection of this information. All facilities that appear on the U.S. eligible list are required to complete and submit a Design Information Questionnaire. The U.S. eligible list is a list, filed with the Commission by the Secretary of State or his designee, of installations eligible for IAEA safeguards under the US/IAEA Safeguards Agreement. Holders of construction permits may be requested in writing by the Commission to submit a Design Information Questionnaire. In addition, applicants for certain source or special nuclear materials licenses are required to submit Design Information Questionnaires as specified in 10 CFR Sections 40.31(g), 70.21(g), and 150.17a.

b. Practical Utility of the Information Collection

NRC is required to collect nuclear material transaction information and make it available to the IAEA. The use of Form N-71 enables NRC to collect, retrieve, analyze as necessary, and submit the data to IAEA to fulfill its reporting responsibilities. Without this report form, NRC's ability to collect and provide this data would be severely limited.

c. Duplication of other Collections of Information

In general, installation information required by NRC in this report does not duplicate other Federal information collection requirements and is not available from any source other than applicants or licensees. Portions of the needed information might also be contained in other information submittals to NRC or other Federal agencies. However, duplication, if any, is slight, and the collection of this information by use of the specified form is the most effective and least burdensome means of obtaining the information.

d. Consultations Outside NRC

There have been no consultations outside NRC since the previous clearance of this form.

Description of the Information Collection

a. Number and Type of Respondents

This reporting requirement affects approximately 2 respondents who appear on the U.S. eligible list, are construction permit holders and have been asked in writing by the Commission to submit the report, or are applicants for certain source or special nuclear material licenses. The previous listing of 200 annual respondents was in error. While a cumulative total of 200 licensees could eventually be affected, it is currently estimated that the requirement will affect no more than 2 respondents annually for the foreseeable future.

b. Method and Schedule for the Information Collection

Forms and instructions are provided to all affected licensees by NRC. The report is a one-time requirement with subsequent updates occasioned by changes in operations at the facility.

c. Record Retention Period

The record retention period for this form is the duration of the applicability of Part 75 to the licensee's operation, which period is unknown but may be coextensive with the life of the plant, possibly as much as 40 years. This retention period is necessary to satisfy international safeguards requirements and so that IAEA and NRC can verify the accuracy of information submitted during inspections and audits of the affected facilities.

d. Copies Required

Fifteen copies of the form are required to be submitted. This is a one-time requirement. The copies are required for IAEA distribution.

Estimate of Burden

a. Estimated Hours Required to Respond to the Information Requirement

The burden for preparation and submission of each report is estimated to be 360 hours as a one-time-only requirement. The estimated number of responses annually is 2 instead of the 200 previously listed. Thus, the total resulting annual burden for all licensees will be 720 hours (instead of 72,000).

b. Estimated Cost to Respond

The annual cost to each respondent to comply with this requirement is estimated to be \$21,600. The total annual cost to all affected licensees is estimated to be \$43,200. Cost estimates are based on a rate of \$60 per hour.

c. Source of Burden Data and Method of Estimating Burden

This data is based on informal consultations by the staff with a small number of typical licensees.

d. Reasonableness of Burden

Estimate of Cost to the Federal Government

Annual Cost - NRC Staff Review (Professional effort - 520 hrs/form @ \$60/hr)	= \$ <u>62,400</u>
Annual Cost - Clerical Processing (Clerical effort - _____ min/form @ \$60/hr)	= \$ <u>*</u>
Annual Administrative Costs (Postage, handling, envelopes, etc.)	= \$ <u>4</u>
Annual Cost for Record Holdings (_____ cu. ft x \$209/cu. ft.)	= \$ <u>*</u>
Annual Printing Costs	= \$ <u>250</u>
Annual Cost for Storage of Forms in NRC Supply (\$2.10 per 1,000)	= \$ <u>-</u>
Annual ADP Cost	= \$ <u>*</u>
Total Annual Cost	= \$ <u>62,654 *</u>

* NRC and DOE share the cost of operating the Nuclear Materials Management and Safeguards System (NMMSS). Current and projected cost of the system is: FY 82, \$1.2 million; FY 83, \$1.115 million; FY 84, \$1.3 million; FY 85, \$1.675 million. As indicated in the Supporting Statement for 10 CFR Part 73, OMB No. 3150-0002, 75% of the cost of the system is attributable to Part 73. The remaining 25% is attributable to these nuclear materials transaction and accounting report forms. This includes the cost of ADP, record holding, and clerical processing of all forms (DOE/NRC Forms 741, 741A, 740M, 742, 742C, and IAEA Form N-71). It is not possible to suballocate this cost to individual forms. For simplicity, this entire cost is allocated to Form 741 (OMB No. 3150-0003) and is omitted from the cost data for the remaining forms

Annual Cost = $\frac{\$1.2 + \$1.115 + \$1.3 + \$1.675}{4} = \frac{\$5.29 \text{ million}}{4} = \1.3225 million
of System

Annual ADP Cost = $\frac{\$1.323 \text{ million}}{4} = \$330,625$
Attributable to Forms

INTERNATIONAL ATOMIC ENERGY AGENCY
DEPARTMENT OF SAFEGUARDS AND INSPECTION

DESIGN INFORMATION QUESTIONNAIRE *

IAEA USE ONLY

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The purpose of this document is to obtain the facility design information required by the Agency in order to discharge its safeguards responsibilities. It will also serve as a check list for examination of design information by Agency inspector(s). If, in any area, insufficient space is available add further sheets to the extent necessary.

The "Confidential" marking on this form is for IAEA purposes only. It indicates that the IAEA considers the information in the completed form to be 'safeguards confidential' and is not to be confused with any U.S. security classification.

* Questions which are not applicable may be left unanswered.

IAEA USE ONLY	
COUNTRY	
COUNTRY OFFICER	
TYPE	
DATE OF INITIAL DATA	
VERIFICATION	
LAST REVIEW AND UPDATING	

ALL FACILITIES

GENERAL INFORMATION			
1. NAME OF THE FACILITY (incl. usual abbreviation)			
2. LOCATION AND POSTAL ADDRESS			
3. OWNER (legally responsible)			
4. OPERATOR (legally responsible)			
5. DESCRIPTION (main features only)			
6. PURPOSE			
7. STATUS (planned; under construction; in operation)			
8. CONSTRUCTION SCHEDULE DATES (if not in operation)	Start of Construction	Commissioning	Operation
9. NORMAL OPERATING MODE (days only, two-shift, three shift; number of days/annum, etc.)			
10. FACILITY LAYOUT (structural containment, fences, access, nuclear material storage areas, laboratories, waste disposal areas, routes followed by nuclear material, experimental and test areas, etc.)	DRAWING(S) ATTACHED UNDER REF. Nos.		
11. SITE LAYOUT (site plan showing in sufficient detail; location, premises and perimeter of facility, other buildings, roads, railways, rivers, etc.)	DRAWING(S) AND/OR MAPS ATTACHED UNDER REF. Nos.		
12. NAMES AND/OR TITLE AND ADDRESS OF RESPONSIBLE OFFICERS (for nuclear material accountability and control and contact with the Agency. If possible attach organization charts showing position of officers)			

OVERALL PROCESS PARAMETERS	
<p>13. FACILITY DESCRIPTION (indicating all process stages, storage areas and feed, product and waste points as pertaining to the measurement control and accountancy of nuclear material)</p>	<p>GENERAL FLOW DIAGRAM(S) ATTACHED UNDER REF. Nos. (The diagram(s) should also indicate equipment, hoods, cells, and those areas which contain nuclear material as those specific areas where hold-up of nuclear material can occur).</p>
<p>14. PROCESS DESCRIPTION (indicating type of conversion, method of fabrication, sampling methods, etc., indicating also the modification of physical and chemical forms)</p>	
<p>15. DESIGN CAPACITY (in weight of principle products per annum)</p>	
<p>16. ANTICIPATED ANNUAL THROUGHPUT (in the form of a forward programme (if applicable), indicating the proportion of various feeds and products)</p>	
<p>17. OTHER IMPORTANT ITEMS OF EQUIPMENT USING, PRODUCING OR PROCESSING NUCLEAR MATERIAL, IF ANY (such as testing and experimental equipment)</p>	

NUCLEAR MATERIAL DESCRIPTION AND FLOW			
18. MAIN MATERIAL DESCRIPTION	FEED	INTERMEDIATE PRODUCT (1)	PRODUCT
i) Main types of accountability units to be handled in the facility			
ii) Chemical and Physical Form (for product include types of fuel element/assemblies, give detailed description indicating general structure and overall structure and overall dimensions of fuel element/assemblies, including nuclear material content and enrichment). Attach drawing(s)			
iii) Throughput, Enrichment Ranges and Pu contents (for normal flowsheet operation indicating if blending and/or recycling takes place)			
iv) Batch Size/Flow Rate and Campaign Period, Means of Batch Identification			

(1) For example, powder, pellets, etc. separately stored or shipped.

CONVERSION AND/OR FUEL FABRICATION PLANTS

Date:

NUCLEAR MATERIAL DESCRIPTION AND FLOW			
MAIN MATERIAL DESCRIPTION CONTINUED	FEED	INTERMEDIATE PRODUCT (1)	PRODUCT
vi) Storage and Plant Inventory (indicating any change with throughput)			
vi) Frequency of Receipt or Shipment (batches/units per month)			
19. SCRAP MATERIAL			
20. WASTE MATERIAL (including contaminated equipment, measured discards and retained waste) Describe for each waste stream: i) Major contributions (sources)			
ii) Type of waste			

(1) For example, powder, pellets, etc. separately stored or shipped.

NUCLEAR MATERIAL DESCRIPTION AND FLOW

WASTE MATERIAL CONTINUED

iii) Chemical and physical form
(liquid, solid, etc.)

iv) Estimated enrichment ranges and uranium/
plutonium content

v) Estimated quantities per year, period of
storing

vi) Waste generated rates (as % of input/
throughput, quantities per month)

vii) Store inventory range and maximum
capacity

viii) Method and frequency of recovery/disposal

NUCLEAR MATERIAL DESCRIPTION AND FLOW	
21. WASTE TREATMENT SYSTEM	DIAGRAM(S) ATTACHED UNDER FIG. Nos.
22. OTHER NUCLEAR MATERIAL IN THE FACILITY AND ITS LOCATION, IF ANY	DRAWING(S) ATTACHED UNDER REF. Nos.
23. SCHEMATIC FLOW SHEET FOR NUCLEAR MATERIAL (Identifying sampling points, flow and inventory measurement points, accountability areas, inventory locations, etc.)	DIAGRAM(S) ATTACHED UNDER REF. Nos.

NUCLEAR MATERIAL DESCRIPTION AND FLOW

24. TYPES, FORM, RANGES OF ENRICHMENT, PU CONTENT, RANGES OF QUANTITIES OF NUCLEAR MATERIAL FLOW FOR EACH NUCLEAR MATERIAL HANDLING AREA, I.E.:

- process area
- storage area
- other locations

(Also indicate maximum quantities of nuclear material to be handled in accountability areas at the one time.)

25. RECYCLE PROCESSES

(briefly describe any such processes giving source and form of material, method of storage, normal inventory, frequency of processing, duration of temporary storage, schedules for any external recycling, measurement method of fissile content of recycle material)

DIAGRAM(S) ATTACHED UNDER REF. Nos.

NUCLEAR MATERIAL DESCRIPTION AND FLOW

26. INVENTORY

i) In-Process

(within plant and equipment during normal operation; indicate quantity, range of enrichment, Pu content, form and principal locations and any significant change in time or throughput; indicate anticipated residual hold-up and mechanism, e.g. plate out, condensation)

ii) Feed and product storages

iii) Other locations

(quantity, range of enrichment, Pu content, form and location of inventory not already specified)

NUCLEAR MATERIAL HANDLING
(FOR EACH ACCOUNTABILITY AREA)27. CONTAINERS, PACKAGING AND STORAGE
AREA DESCRIPTION

DRAWING(S) ATTACHED UNDER REF. Nos.

SEPARATE NOTE TO BE ATTACHED.

Describe for feeds, products and wastes: the type and size of storage and shipping containers and packaging used, (including nominal capacity and capacity for normal operation, and type of material); method of storage or packing, filling and emptying procedures, shielding; and any special identification features

NUCLEAR MATERIAL HANDLING
(FOR EACH ACCOUNTABILITY AREA)

28. METHODS AND MEANS OF TRANSFER OF
NUCLEAR MATERIAL

(Describe also equipment used for handling of
feed, product, waste).

29. TRANSPORTATION ROUTES FOLLOWED
BY NUCLEAR MATERIAL
(with reference to plant layout)

DIAGRAM(S) ATTACHED UNDER REF. Nos.

30. SHIELDING

(For storage and transfer)

PLANT MAINTENANCE

31. MAINTENANCE, DECONTAMINATION,
CLEAN-OUT

SEPARATE NOTE TO BE ATTACHED

Describing plans and procedures for decontamination and clean-out of equipment containing nuclear material, defining all sampling and measurement points associated with:

- (i) normal plant maintenance;
- (ii) plant and equipment decontamination and subsequent nuclear material recovery;
- (iii) plant and equipment clean-out including means of ensuring vessels are empty;
- (iv) plant start-up and plant shutdown
(if different from normal operation).

(In cases where clean-out and/or sampling is not possible, indicate how the hold-up of nuclear material is measured or calculated.)

PROTECTION AND SAFETY MEASURES

32. BASIC MEASURES FOR PHYSICAL
PROTECTION OF NUCLEAR MATERIAL

PROTECTION AND SAFETY MEASURES

33. SPECIFIC HEALTH AND SAFETY RULES
FOR INSPECTOR COMPLIANCE
(if extensive, attach separately)

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

34. SYSTEM DESCRIPTION

Give a description of the nuclear material accountancy system, the method of recording and reporting accountancy data and establishing material balances, frequency of material balances, procedures for account adjustment after plant inventory, mistakes, etc., under the following headings:

i) General

(This section should also state what general and subsidiary ledgers will be used, their form (hard copies, tapes, microfilms, etc.) as well as who has the responsibility and authority. Source data (e.g. shipping and receiving forms, internal transfer documents, physical inventory forms, the initial recording of measurements and measurement control sheets) should be identified. The procedures for making adjustments; the source data and records should be covered as well as how the adjustments are authorized and substantiated).

SPECIMEN FORMS USED IN ALL PROCEDURES ATTACHED
UNDER REF. NO.

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

34. SYSTEM DESCRIPTION CONTINUED

ii) General continued

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

SYSTEM DESCRIPTION CONTINUED

- iii) Receipts
(including method of dealing with shipper/
receiver differences and subsequent account
corrections, the checks and measurements
used to confirm nuclear material content and
the persons responsible for those determination
should be defined).

- iii) Shipments
(products, waste, measured discards)

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

SYSTEM DESCRIPTION CONTINUED

iv) Physical inventory.

Description of procedures, scheduled frequency, estimated distribution of nuclear material, methods of operator's inventory taking (both for item and/or bulk accountancy, including relevant assay method), accessibility and possible verification method for nuclear material, expected accuracy, and access to nuclear material.

(In particular the description of procedures should also provide the basic inventory approach to be used, i.e. planning, organizing, and conducting the inventory, prelisting, use of prior measurement data; who has the primary responsibility for the inventory; how process clean-out is accomplished; the accountancy of process residual hold-up)

List of major items of equipment regarded as nuclear material containers attached under Ref. Nos.

v) Measured discards.

(Method of estimation of quantities per year/month, method of disposal)

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

SYSTEM DESCRIPTION CONTINUED

vii) Retained waste
(Method of estimation of quantities per year,
method and envisaged period of storage;
indicate also possible subsequent uses of
retained waste)

viii) Unmeasured losses
(Indicate the methods used to estimate
unmeasured losses)

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

SYSTEM DESCRIPTION CONTINUED

- viii) Operational records and accounts
(Including logbooks, general ledgers,
internal transfer forms, method of adjustment
or correction and retention location, and
languages; control measures and responsibility
for records)

35. FEATURES RELATED TO CONTAINMENT
AND SURVEILLANCE MEASURES

(General description of applied or possible
measures in reference to floor plan or plant
layout)

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

36. FOR EACH FLOW AND INVENTORY MEASUREMENT POINT, AND SAMPLING POINTS OF ACCOUNTABILITY AREAS, IDENTIFIED IN PARTICULAR UNDER QS. 13, 23, 24, GIVE THE FOLLOWING*

i) Description of location, type, identification

ii) Expected types of inventory change at this measurement point

iii) Possibilities to use this measurement point for physical inventory taking

iv) Physical and chemical form of nuclear material
(including enrichment range, Pu content, and cladding materials description)

* For each measurement, sampling point fill in separate sheet.

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

FOR EACH FLOW AND INVENTORY
MEASUREMENT POINT* AND SAMPLING
POINTS OF ACCOUNTABILITY AREAS,
IDENTIFIED IN PARTICULAR UNDER
QS. 13, 23, 24, GIVE THE FOLLOWING*
CONTINUED

vi) Nuclear material containers, packaging and
method of storage

vii) Sampling procedure and equipment used
(including number of samples taken,
frequency and rejection criteria)

viii) Measurement/analytical method(s) and
equipment used and corresponding accuracies

* For each measurement, sampling point fill in separate sheet.

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

FOR EACH FLOW AND INVENTORY
MEASUREMENT POINT, AND SAMPLING
POINTS OF ACCOUNTABILITY AREAS,
IDENTIFIED IN PARTICULAR UNDER
QS. 13, 23, 24, GIVE THE FOLLOWING*
CONTINUED

viii) Source and level of random and systematic
errors for feed, product, scrap, waste
(weight, volume, sampling, analytical)

(ix) Calculative and error propagation techniques

x) Technique and frequency of calibration of
equipment used, and standards used

* For each sampling, measurement point fill in separate sheet.

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

FOR EACH FLOW AND INVENTORY
MEASUREMENT POINT AND SAMPLING
POINTS OF ACCOUNTABILITY AREAS,
IDENTIFIED IN PARTICULAR UNDER
QS, 13, 23, 24, GIVE THE FOLLOWING*
CONTINUED

xii) Programme for the continuing appraisal of
the accuracy of weight, volume, sampling
and analytical techniques and measurement
methods

xiii) Programme for statistical evaluation of data
from (x) and (xi)

xiii) Method of converting source data to batch
data
(standard calculative procedures, constants
and empirical relationships for feed, products
in sub-accounting areas, waste and scrap)

* For each sampling, measurement point fill in separate sheet.

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

FOR EACH FLOW AND INVENTORY
MEASUREMENT POINT AND SAMPLING
POINTS OF ACCOUNTABILITY AREAS,
IDENTIFIED IN PARTICULAR UNDER
QS. 13, 23, 24, GIVE THE FOLLOWING*
CONTINUED

xiv) Means of batch identification

xv) Anticipated batch flow rate per year

xvi) Anticipated number of inventory batches

xvii) Anticipated number of items per flow and
inventory batches

* For each sampling, measurement point fill in separate sheet.

NUCLEAR MATERIAL ACCOUNTANCY AND CONTROL

FOR EACH FLOW AND INVENTORY
MEASUREMENT POINT AND SAMPLING
POINTS OF ACCOUNTABILITY AREAS
IDENTIFIED IN PARTICULAR UNDER
QS, 13, 23, 24, GIVE THE FOLLOWING*
CONTINUED

- xviii) Type, composition and quantity of nuclear
material per batch 14
(with indication of batch date, total weight
of each element of nuclear material and
form of nuclear material)

- xix) Features related to containment-
surveillance measures

37. OVERALL LIMIT OF ERROR

Describe procedures to confine individual
measurement error determination to obtain the
overall limit of error for:

- i) S/R differences
- ii) Book inventory
- iii) Physical inventory
- iv) MUF

* For each sampling, measurement point fill in separate sheet.

OPTIONAL INFORMATION

38. OPTIONAL INFORMATION

(that the operator considers relevant to safeguarding
the facility)

Signature of Responsible Officer:

Date: