

(xiii) For each of the two wind speeds (nominally 8 and 24 km/hr), calculate the difference between the average sampling effectiveness value for the 20 μm solid particles and the average sampling effectiveness value for the 20 μm liquid particles.

(xiv) The candidate method passes the solid particle sampling effectiveness test if each such difference meets the specification in Table D-1.

(b) **50 Percent Cutpoint**—(1) *Technical Definition*. The particle size for which the sampling effectiveness of the sampler is 50 percent.

(2) *Test Procedure*. (i) From the liquid particle sampling effectiveness curves for each of the three wind speeds, determine the particle size at which the curve crosses the 50 percent effectiveness line and record as D_{50} on the corresponding sampling effectiveness plot.

(ii) The candidate method passes the 50 percent cutpoint test if all three of the D_{50} values meet the specification in Table D-1.

(c) **Reproducibility**—(1) *Technical Definition*. The variation in the measured particle concentration among identical samplers under typical sampling conditions.

(2) *Test Procedure*. (i) Set up three identical test samplers at the test site in strict accordance with the instructions in the manual referred to in § 53.4(b)(3). Locate the intake points of the test samplers at the same height, between 3 and 5 meters apart, and on a line perpendicular to the prevailing wind direction. Perform a flow calibration for each test sampler according to the instructions given in the instruction manual and in Appendix J to Part 50 of this chapter. Set the operating flow rate to the value prescribed in the sampler instruction manual. (NOTE: For

candidate equivalent methods, this test may be used to satisfy part of the requirements of Subpart C of this chapter. In that case, a reference method sampler is also used at the test site and measurements with the candidate and reference methods are compared as specified in § 54.34. The test site must meet the requirements of § 53.30(b).)

(ii) Measure the PM_{10} concentration of the atmosphere using the three test samplers for five periods of 24-hours. Record the initial and final flow rates of each test sampler for each 24-hour test day. All measurements of flow rate and mass collected must be made according to the procedures prescribed in the

sampler instruction manual and/or Appendix J to Part 50 of this chapter. Record the PM_{10} concentration for each sampler and each test day as $C_{\text{sam}(i)(j)}$ where i is the sampler number and j is the test day.

(iii) For each test day, calculate and record the average of the three measured PM_{10} concentrations as $C_{\text{ave}(j)}$, where j is the test day. If $C_{\text{ave}(j)} < 30 \mu\text{g}/\text{m}^3$ for any test day, data from that test day are unacceptable and the tests for that day must be repeated.

(iv) Calculate and record the coefficient of variation for each of the five test days as:

$$CV_j = \sqrt{\frac{\sum_{i=1}^3 C_{\text{sam}(i)(j)}^2 - (\sum_{i=1}^3 C_{\text{sam}(i)(j)})^2/n}{n-1}} / C_{\text{ave}(j)}$$

(v) The candidate method passes the reproducibility test if all five CV_j values meet the specification in Table D-1.

(d) **Flow Rate Stability**—(1) *Technical Definition*. Freedom from variation in the operating flow rate of the sampler under typical sampling conditions.

(2) *Test Procedure*. (i) For each of the three test samplers and each of the five test days of the reproducibility test, record the initial and final flow indicator readings as $I_{\text{init}(i)(j)}$ and $I_{\text{final}(i)(j)}$, where i is the sampler number and j is the test day.

(ii) Convert each $I_{\text{init}(i)(j)}$ and $I_{\text{final}(i)(j)}$ to actual flow rates using the sampler flow rate calibration curve and any correction factors for temperature and

pressure (if necessary). Record the actual flow rates as $F_{\text{init}(i)(j)}$ and $F_{\text{final}(i)(j)}$, respectively.

(iii) For each sampler and for each test day, calculate and record the percent change in flow rate as:

$$\Delta F_{(i)(j)} = \frac{F_{\text{final}(i)(j)} - F_{\text{init}(i)(j)}}{F_{\text{init}(i)(j)}} \times 100\%$$

(iv) The candidate method passes the flow rate stability test if all 15 $\Delta F_{(i)(j)}$ values meet the specification in Table D-1.

(Sec. 301(a), Clean Air Act (42 U.S.C. 7601))

[FR Doc. 84-6861 Filed 3-19-84; 8:45 am]

BILLING CODE 6560-50-M

Register

Tuesday
March 20, 1984

Part III

Department of Education

34 CFR Parts 682 and 683

Family Contribution Schedule for the
Guaranteed Student Loan Program for
1984-85; Definition of Independent
Student for the PLUS Program for 1983-
84; Final Rule

DEPARTMENT OF EDUCATION

34 CFR Parts 682 and 683

Family Contribution Schedule for the Guaranteed Student Loan Program for 1984-85; Definition of Independent Student for the PLUS Program for 1983-84

AGENCY: Department of Education.

ACTION: Final regulations.

SUMMARY: The Secretary issues final regulations for use in determining student eligibility for interest benefits under the Guaranteed Student Loan Program (GSLP). These regulations, which establish the GSL Family Contribution Schedule for 1984-85, will apply to any loan for a period of instruction which begins on or after July 1, 1984, but not later than June 30, 1985, regardless of the time when the determination of the student's need for a loan is made. These regulations also amend § 683.10 of the PLUS Program regulations by adding a new paragraph (c) to the definition of "independent student" to be used for the 1983-84 academic year.

EFFECTIVE DATES: The revised definition of "independent student" (§ 683.10), takes effect either 45 days after publication in the *Federal Register* or later if Congress takes certain adjournments. If you want to know the effective date of these regulations, call or write the Department of Education contact person. Under section 482 of the Higher Education Act of 1965, the remaining provisions of these regulations which establish the GSL Family Contribution Schedule for 1984-85 are expected to take effect on July 1, 1984 and will apply to any loan for a period of instruction which begins on or after July 1, 1984, but not later than June 30, 1985, regardless of the time when the determination of the student's need for a loan is made.

FOR FURTHER INFORMATION CONTACT: Ronald Streets, Program Specialist, or Larry Oxendine, Policy Section Chief, Guaranteed Student Loan Branch, Division of Policy and Program Development, Department of Education (Room 4310, ROB-3), 400 Maryland Avenue SW., Washington, D.C. 20202. Telephone: (202) 245-2475.

SUPPLEMENTARY INFORMATION:**Background**

On June 1, 1983, the Secretary published in the *Federal Register* (48 FR 24584), final regulations for the 1984-85 Family Contribution Schedule. However, section 4(b) of the Student Loan Consolidation and Technical

Amendments Act of 1983 (Pub. L. 98-79) amended section 9 of the Student Financial Assistance Technical Amendments Act of 1982 (Pub. L. 97-301) by requiring that the 1982-83 Family Contribution Schedule, modified to reflect the most recent and relevant data, be used as the Family Contribution Schedule for the years of 1984-85 and 1985-86. Therefore, these final regulations implement that statutory mandate for the 1984-85 academic year. Other provisions of the June 1, 1983, final regulations are unaffected by Pub. L. 98-79.

Additionally, the Secretary adds a new paragraph (c) to § 683.10 of the PLUS Program regulations to establish the definition of "independent student" in order to be consistent with other Title IV programs.

Waiver of Rulemaking

In accordance with Section 431(b)(2)(A) of the General Education Provisions Act (20 U.S.C. 1232(b)(2)(A)), and the Administrative Procedure Act, 5 U.S.C. 553, it is the practice of the Secretary to offer interested parties the opportunity to comment on proposed regulations. However, the content of the Family Contribution Schedule is determined by statute and the amended definition merely updates an existing definition for use during the 1983-84 academic year. Public comment could have no effect on the content of these regulations. Therefore, the Secretary has determined under 5 U.S.C. 553(b)(3)(B) that proposed rulemaking on these regulations is unnecessary and contrary to the public interest.

Modification of the 1982-83 Family Contribution Schedule For Use for 1984-85

Section 9 of the Student Financial Assistance Technical Amendments Act of 1982 (Pub. L. 97-301) required that the 1982-83 Family Contribution Schedule be modified and used as the schedule for the 1983-84 academic year. The 1983-84 GSL Family Contribution Schedule was the first schedule codified in regulations published in the *Federal Register*. Earlier schedules were published as notices in the *Federal Register*. This schedule, in turn, modifies the 1983-84 schedule; because that schedule was substantially the same as the 1982-83 schedule, such modifications are, in effect, modifications of the 1982-83 schedule, as required by Pub. L. 98-79.

This schedule continues the use of systems of financial need analysis approved by the Secretary for use in the National Direct Student Loan (NDSL), College Work-Study (CWS), and the

Supplemental Educational Opportunity Grant (SEOG) Programs (the campus-based programs), and a revised set of tables in Appendix B of 34 CFR Part 682.

This schedule modifies the 1983-84 Family Contribution Schedule in the following respects.

(1) The 1983-84 schedule applies to loans for periods of instruction beginning on or after July 1, 1983, but not later than June 30, 1984. This schedule applies to loans for periods of instruction beginning on or after July 1, 1984, but not later than June 30, 1985, regardless of when an institution completes its portion of the student's GSLP application.

(2) This schedule requires, in § 682.301(c), that the school, in determining the adjusted gross family income, consider the income reported by each family member on the 1983 Federal income tax return. Section 682.301(c)(1) has been revised to clarify that "adjusted gross income" means that term as defined in section 62 of the Internal Revenue Code. Further, references to the years 1982 and 1983 in §§ 682.301(c)(2)(iii) and 682.301(c)(4) are revised to refer to the years 1983 and 1984, respectively.

(3) In § 682.301(d), the definition of "independent student" has been deleted and a reference to § 668.1a of 34 CFR Part 668, Student Assistance General Provisions regulations, has been inserted. This change reflects the final regulations which were published in the *Federal Register* (48 FR 39372) on August 30, 1983 and which define "independent student" for all Title IV student financial assistance programs.

(4) Section 682.301(e)(1) has been amended to reference the definitions of "Estimated cost of attendance" and "Estimated financial assistance" found in § 682.200 and to specify that "Expected family contribution" means the amount determined in accordance with § 682.301(f) of the GSLP regulations.

(5) Although the Secretary expects to issue separate regulations regarding the verification of information provided by the student and the student's family, § 682.301(e) has been amended to add a new paragraph (e)(3). This paragraph specifies that the Secretary may require that family members whose incomes are used to determine the "adjusted gross family income" in § 682.301(c) provide copies of the applicable Federal income tax return and other pertinent documents to the school.

(6) Section 682.301(f) has been revised to specify that this schedule applies to loans for periods of instruction beginning on or after July 1, 1984, but not later than June 30, 1985.

(7) Section 682.301(f) (1) and (2) has been revised to require the educational institution, in determining which of the approved need analysis systems may be used to calculate the student's expected family contribution, to consider whether the student has received financial assistance under the campus-based programs for the 1984-85 award year.

(8) The expected family contribution amounts in Tables A, B, C, and D of Appendix B have been revised to reflect 1983 Federal income taxes and F.I.C.A. (Social Security) withholding deductions and average State and other taxes. The Standard Maintenance Allowance (SMA), applicable to Tables A and B only and derived from the most recent Bureau of Labor Statistics low budget standard, has been updated for inflation.

Executive Order 12291

These regulations have been reviewed in accordance with Executive Order 12291.

They are classified as nonmajor because they do not meet the criteria for major regulations established in the order.

Regulatory Flexibility Act Certification

The Secretary certifies that these regulations will not have a significant economic impact on a substantial number of small entities. These regulations continue the use of the current formula for determining student eligibility for interest benefits under the GSL program, modified to reflect the most recent and relevant data. The regulations, therefore, do not have an impact on small entities.

Assessment of Educational Impact

The Secretary has determined that the regulations in this document would not require transmission of information that is being gathered by or is available from any other agency or authority of the United States.

List of Subjects in 34 CFR Parts 682 and 683

Administrative practice and procedure, Colleges and universities, Education, Loan programs—education, Student aid, Vocational education.

Citation of Legal Authority

A citation of statutory or other legal authority is placed in parentheses on the line following each substantive provision of these regulations.

Dated: March 13, 1984.

T. H. Bell,

Secretary of Education.

(Catalog of Federal Domestic Assistance Number 84.032, Guaranteed Student Loan Program, PLUS Program)

PART 683—PLUS PROGRAM

The Secretary amends Part 683 of Title 34 of the Code of Federal Regulations as follows:

1. Section 683.10 is amended by adding a new paragraph (c) to the definition of "Independent student" to read as follows:

§ 683.10 General definitions.

Independent Student

(c) For a period of instruction beginning on or after July 1, 1983, but before July 1, 1984—

(1) A single student who for 1982 and 1983—

(i) Has not lived and will not live for more than six weeks in either year in the home of his or her parent(s);

(ii) Has not been claimed and will not be claimed as a dependent for Federal income tax purposes by his or her parent(s); and

(iii) Has not received and will not receive financial assistance of more than \$750 in either year from his or her parent(s); or

(2) A married student who for 1983—

(i) Has not lived and will not live for more than six weeks in the home of his or her parent(s);

(ii) Has not been claimed and will not be claimed as a dependent for Federal income tax purposes by his or her parent(s); and

(iii) Has not received and will not receive financial assistance of more than \$750 from his or her parent(s).

(3) If a student's mother and father are divorced or separated, only one parent will be considered to be the parent of the student for purposes of applying the criteria in paragraphs (c) (1) and (2) of this definition. To determine that parent—

(i) Choose the parent with whom the student resided for the greater portion of the 12-month period preceding the date of application.

(ii) If the preceding criterion does not apply, choose the parent who provided the greater portion of the student's support for the 12-month period preceding the date of application.

(iii) If neither of the preceding criteria apply, choose the parent who provided the greater support for the period commencing January 1, 1982, and ending

12 months prior to the date of application.

(4) If either of the parents has died, the institution shall consider only the surviving parent as the parent for purposes of applying the criteria in paragraphs (c) (1) and (2) of this definition. If both parents have died, or the student has been declared a ward of the court, the student is independent.

PART 682—GUARANTEED STUDENT LOAN PROGRAM

The Secretary amends Part 682 of Title 34 of the Code of Federal Regulations as follows:

2. Section 682.301 is revised to read as follows:

§ 682.301 Eligibility for interest benefits on a GSLP loan.

(a)(1) *General.* (i) If a student's adjusted gross family income is \$30,000 or less, the student qualifies for interest benefits for the amount of his or her GSLP loan.

(ii) If the student's adjusted gross family income is more than \$30,000, the student qualifies for interest benefits if the institution he or she attends or is planning to attend determines that the student demonstrated financial need for the loan.

(2)(i) If the student demonstrates financial need for a loan of \$1,000 or more, the student qualifies for interest benefits for the amount for which the student has demonstrated financial need.

(ii) If the student demonstrates financial need for a loan between \$500 and \$1,000, the student qualifies for interest benefits on a loan of up to \$1,000.

(b) *Application for interest benefits.* To apply for interest benefits, the student shall submit to the lender with his or her loan application a statement from the student's institution that certifies—

(1) The estimated cost of attendance for the student for the academic period for which the loan is intended;

(2) The estimated financial assistance for the student for the academic period for which the loan is intended;

(3) The adjusted gross family income of the student's family;

(4) The student's expected family contribution if his or her adjusted gross family income exceeds \$30,000; and

(5) The amount of the student's need for a loan as determined by the institution pursuant to paragraph (e) of this section.

(c) *Adjusted gross family income.* The institution determines the adjusted gross family income of the student's family based upon data provided, and certified to, by each person whose income is required to be considered.

(1) The adjusted gross family income of the student's family means the adjusted gross income, as defined in section 62 of the Internal Revenue Code, as reported on the 1983 Federal income tax return(s), of—

(i) The student;

(ii) The student's spouse, if any; and

(iii) The student's mother and father if the student, at the time he or she applies, is determined to be a "dependent student" rather than an "independent student."

(2) A student whose parents are divorced or separated follows these procedures for reporting a parent's adjusted gross income to determine the adjusted gross family income:

(i) Include only the income of the parent with whom the student resided for the greater portion of the 12-month period preceding the date of application.

(ii) If the preceding criterion does not apply, include only the income of the parent who provided the greater portion of the student's support for the 12-month period preceding the date of application.

(iii) If neither of the preceding criteria apply, include only the income of the parent who provided the greater support for the period commencing January 1, 1983 and ending 12 months prior to the date of application.

(3) If either of the parents has died, the student shall include only the income of the surviving parent. If both parents have died, the student shall not report any parental income.

(4) The following rule applies if either a parent whose income is taken into account under paragraph (c)(2) of this section, or a parent who is a widow or widower and whose income is taken into account under paragraph (c)(3) of this section, has remarried. The income of that parent's spouse shall be included in determining the adjusted gross family income if, in 1983 or 1984, the student—

(i) Has received or will receive financial assistance of more than \$750 from that spouse; or

(ii) Has lived or will live for more than six weeks in the home of the parent and that spouse.

(5) For a student who is divorced or separated, or whose spouse has died, the spouse's income shall not be included in determining the adjusted gross family income.

(d) *Independent student.* An

"independent student" is a student who meets the criteria set forth in 34 CFR 668.1a. All other students are considered to be dependent students.

(e) *Determination of need.* (1) If the student's adjusted gross family income exceeds \$30,000 the institution shall determine the student's need for a loan by subtracting from the student's estimated cost of attendance, as defined in § 682.200, his or her—

(i) Estimated financial assistance, as defined in § 682.200; and

(ii) Expected family contribution, as determined in paragraph (f) of this section.

(2) The student shall certify the accuracy of any information he or she provides to the institution which is necessary to determine need.

(3) The Secretary may require that family members whose incomes are included in the student's adjusted gross family income under paragraph (c) of this section provide copies of the relevant Federal income tax return(s) and other pertinent documents to support the student's application for interest benefits.

(f) *Determination of expected family contribution.* For a student who seeks a loan for a period of instruction beginning on or after July 1, 1984, but not later than June 30, 1985, the institution shall calculate his or her expected family contribution as follows:

(1) If the student has been awarded financial assistance for award year 1984-85 (July 1, 1984-June 30, 1985) under the Supplemental Educational Opportunity Grant (SEOG), College Work-Study (CWS), or National Direct Student Loan (NDSL) program at the time he or she applies for a Guaranteed Student Loan, the student's expected family contribution is his or her expected family contribution as calculated for the SEOG, CWS or NDSL program.

(2) If the student has not been awarded financial assistance under the SEOG, CWS, or NDSL program for the 1984-85 award year at the time he or she applies for a Guaranteed Student Loan, the student's expected family contribution is determined under either—

(i) Any need analysis system which has been approved by the Secretary for the SEOG, CWS, or NDSL program; or

(ii) The tables found in Appendix B if the adjusted gross income of the student and his or her family does not exceed \$75,000.

(20 U.S.C. 1078, 1082)

3. Appendix B to Part 682 is revised to read as follows:

Appendix B to Part 682—Guaranteed Student Loan Program Tables for Determination of Expected Family Contribution for 1984-85

If authorized under the provisions of section 682.301(f)(2)(ii), an institution may use the following tables to determine the student's expected family contribution.

For purposes of the four tables—

"Dependent student" means a student who does not qualify as an independent student, "Independent student" is defined in 34 CFR 668.1a, and

"Adjusted gross income" means the income, as defined in section 62 of the Internal Revenue Code, received in 1983.

Table A—Expected Family Contribution for a Dependent Student From a Two-Parent Family—1984-85

For a dependent student from a two-parent family, the educational institution determines the student's expected family contribution according to Table A. The amount obtained from the table is divided by the number of family members enrolled on at least a half-time basis in a postsecondary educational institution.

As used in Table A, "Family members" include the student, the student's spouse and their dependents, and the student's mother and father and their dependents. If the family includes a step-parent whose income is included in the adjusted gross family income, family members also include the step-parent and the dependents of the step-parent.

Table A is based on the following assumptions:

- One of the two parents is employed,
- No assets are considered, and
- All of the family income was earned by the employed parent.

The conversion of the adjusted gross income to the expected family contribution is performed by subtracting from the adjusted gross income the following:

- Federal income tax, based on standard deductions, computed at the rate applied to married taxpayers filing joint returns.
- F.I.C.A. (Social Security) for one wage earner,
- Average State and other taxes (8%), and
- A Standard Maintenance Allowance, based on the average non-discretionary living expenses for families derived from the Bureau of Labor Statistics low budget standard, as adjusted for inflation and family size. The Standard Maintenance Allowance does not include an allowance for living expenses of the dependent student for the 9 months of school because those living expenses are included in the student's cost of education.

To this balance, called "available income," which represents discretionary income, a conversion percentage is applied. The percentage increases as available income increases. The resulting value is the expected family contribution.

BILLING CODE 4000-01-M

Table A - Expected Family Contribution for a Dependent Student From a Two - Parent Family--1984-85

ADJUSTED GROSS INCOME LESS THAN 30001	NUMBER OF FAMILY MEMBERS									
	3	4	5	6	7	8	9	10	11	12
	AUTOMATICALLY ELIGIBLE									
030001-030124	2940	2290	1770	1270	920	560	210	0	0	0
030125-030374	2990	2330	1810	1310	950	600	240	0	0	0
030375-030624	3050	2370	1850	1340	990	630	280	0	0	0
030625-030874	3110	2420	1880	1370	1020	670	310	0	0	0
030875-031124	3170	2470	1920	1410	1050	700	350	0	0	0
031125-031374	3230	2520	1960	1440	1090	730	380	30	0	0
031375-031624	3290	2570	2010	1470	1120	770	410	60	0	0
031625-031874	3350	2620	2050	1510	1160	800	450	90	0	0
031875-032124	3410	2670	2090	1540	1190	840	480	130	0	0
032125-032374	3470	2720	2130	1580	1220	870	520	160	0	0
032375-032624	3520	2770	2180	1620	1250	910	550	200	0	0
032625-032874	3580	2820	2220	1650	1290	940	590	230	0	0
032875-033124	3640	2870	2260	1690	1320	970	620	270	0	0
033125-033374	3700	2920	2310	1730	1350	1000	650	300	0	0
033375-033624	3770	2970	2350	1770	1380	1040	690	330	0	0
033625-033874	3830	3030	2390	1800	1420	1070	720	370	10	0
033875-034124	3900	3090	2440	1840	1450	1100	750	400	50	0
034125-034374	3960	3140	2490	1880	1480	1130	790	440	80	0
034375-034624	4030	3200	2540	1910	1520	1170	820	470	120	0
034625-034874	4090	3250	2590	1960	1560	1200	850	500	150	0
034875-035124	4160	3310	2640	2000	1590	1230	880	540	190	0
035125-035374	4220	3360	2690	2040	1630	1270	920	570	220	0
035375-035624	4290	3420	2730	2080	1670	1300	950	600	250	0
035625-035874	4350	3480	2780	2130	1700	1330	980	640	290	0
035875-036124	4430	3540	2840	2180	1750	1370	1020	670	320	0
036125-036374	4500	3600	2890	2220	1790	1400	1060	710	360	10
036375-036624	4570	3660	2940	2270	1830	1440	1090	740	400	50
036625-036874	4640	3730	3000	2310	1870	1480	1130	780	430	90
036875-037124	4720	3810	3060	2360	1910	1520	1170	820	470	120
037125-037374	4790	3880	3120	2400	1950	1560	1200	850	510	160
037375-037624	4860	3950	3180	2450	2000	1600	1240	890	540	190
037625-037874	4940	4020	3240	2500	2040	1640	1270	930	580	230
037875-038124	5010	4100	3310	2560	2090	1680	1310	960	620	270
038125-038374	5080	4170	3370	2610	2130	1720	1350	1000	650	300
038375-038624	5150	4240	3430	2660	2180	1760	1380	1040	690	340
038625-038874	5210	4320	3490	2720	2220	1800	1420	1070	720	380
038875-039124	5280	4390	3550	2770	2270	1830	1450	1110	760	410
039125-039374	5350	4460	3620	2820	2310	1870	1490	1140	800	450
039375-039624	5420	4530	3680	2870	2360	1910	1530	1180	830	490
039625-039874	5480	4590	3750	2930	2400	1960	1570	1220	870	520

Table A - Expected Family Contribution for a Dependent Student From a Two - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS									
	3	4	5	6	7	8	9	10	11	12
039875-040124	5550	4660	3820	2980	2450	2000	1600	1250	910	560
040125-040374	5620	4730	3900	3040	2510	2050	1640	1290	940	590
040375-040624	5680	4800	3960	3100	2560	2090	1680	1320	980	630
040625-040874	5750	4860	4030	3160	2610	2140	1720	1350	1010	670
040875-041124	5820	4930	4100	3230	2670	2180	1760	1390	1050	700
041125-041374	5880	5000	4160	3290	2720	2230	1800	1420	1080	740
041375-041624	5950	5060	4230	3340	2770	2270	1840	1460	1120	780
041625-041874	6020	5130	4300	3400	2820	2320	1880	1490	1150	810
041875-042124	6090	5200	4360	3460	2880	2360	1910	1530	1190	850
042125-042374	6150	5260	4430	3510	2930	2410	1960	1570	1220	880
042375-042624	6220	5330	4500	3570	2980	2460	2000	1610	1250	920
042625-042874	6290	5400	4570	3630	3030	2510	2050	1650	1290	950
042875-043124	6350	5460	4630	3690	3090	2560	2090	1680	1320	980
043125-043374	6420	5530	4700	3760	3150	2620	2140	1720	1360	1020
043375-043624	6490	5600	4770	3820	3200	2660	2180	1760	1390	1050
043625-043874	6550	5670	4830	3890	3260	2710	2230	1800	1430	1090
043875-044124	6620	5730	4900	3960	3320	2760	2270	1840	1460	1120
044125-044374	6690	5800	4970	4020	3370	2810	2320	1880	1490	1150
044375-044624	6750	5870	5030	4090	3430	2860	2360	1920	1530	1190
044625-044874	6820	5930	5100	4160	3490	2910	2400	1960	1570	1220
044875-045124	6890	6000	5170	4220	3550	2950	2450	2010	1610	1260
045125-045374	6960	6070	5240	4290	3600	3010	2500	2050	1650	1290
045375-045624	7020	6130	5300	4360	3660	3060	2550	2090	1690	1320
045625-045874	7090	6200	5370	4430	3720	3120	2590	2130	1730	1360
045875-046124	7160	6270	5440	4490	3790	3180	2640	2180	1760	1390
046125-046374	7220	6340	5500	4560	3860	3230	2690	2220	1800	1430
046375-046624	7290	6400	5570	4630	3930	3290	2740	2260	1840	1460
046625-046874	7360	6470	5640	4690	3990	3350	2790	2300	1870	1500
046875-047124	7420	6540	5700	4760	4060	3410	2840	2340	1910	1530
047125-047374	7490	6600	5770	4830	4130	3460	2880	2380	1950	1570
047375-047624	7560	6670	5840	4890	4190	3520	2930	2430	1990	1610
047625-047874	7630	6740	5910	4960	4260	3580	2980	2470	2030	1640
047875-048124	7690	6800	5970	5030	4330	3630	3040	2520	2070	1680
048125-048374	7760	6870	6040	5090	4390	3690	3090	2570	2120	1720
048375-048624	7830	6940	6110	5160	4460	3760	3150	2620	2160	1750
048625-048874	7890	7010	6170	5230	4530	3830	3210	2670	2200	1790
048875-049124	7960	7070	6240	5300	4600	3890	3270	2720	2240	1820
049125-049374	8020	7140	6310	5360	4660	3960	3320	2770	2280	1860
049375-049624	8080	7210	6370	5430	4730	4030	3380	2810	2320	1890
049625-049874	8140	7270	6440	5500	4800	4100	3440	2860	2360	1930

Table A - Expected Family Contribution for a Dependent Student From a Two - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS									
	3	4	5	6	7	8	9	10	11	12
049875-050124	8200	7340	6510	5560	4850	4160	3490	2910	2400	1970
050125-050374	8260	7400	6580	5630	4930	4230	3550	2960	2450	2010
050375-050624	8320	7460	6640	5700	5000	4300	3610	3010	2500	2060
050625-050874	8380	7520	6710	5760	5060	4360	3660	3070	2550	2100
050875-051124	8440	7580	6770	5830	5130	4430	3730	3130	2600	2140
051125-051374	8510	7640	6830	5900	5200	4500	3800	3180	2650	2180
051375-051624	8570	7700	6890	5970	5270	4560	3860	3240	2690	2220
051625-051874	8630	7760	6950	6030	5330	4630	3930	3300	2740	2260
051875-052124	8690	7820	7020	6090	5400	4700	4000	3350	2790	2300
052125-052374	8750	7890	7080	6160	5470	4770	4070	3410	2840	2340
052375-052624	8810	7950	7140	6220	5530	4830	4130	3470	2890	2390
052625-052874	8870	8010	7200	6280	5600	4900	4200	3520	2940	2430
052875-053124	8930	8070	7260	6340	5660	4970	4270	3580	2990	2480
053125-053374	8990	8130	7320	6400	5720	5030	4330	3640	3040	2530
053375-053624	9060	8190	7380	6460	5780	5100	4400	3700	3100	2580
053625-053874	9120	8250	7440	6520	5850	5170	4470	3770	3160	2620
053875-054124	9180	8310	7500	6580	5910	5230	4530	3830	3210	2670
054125-054374	9240	8370	7570	6640	5970	5290	4600	3900	3270	2720
054375-054624	9300	8440	7630	6710	6030	5350	4670	3970	3330	2770
054625-054874	9360	8500	7690	6770	6090	5410	4740	4040	3380	2820
054875-055124	9420	8560	7750	6830	6150	5470	4800	4100	3440	2870
055125-055374	9480	8620	7810	6890	6210	5540	4860	4170	3500	2910
055375-055624	9540	8680	7870	6950	6270	5600	4920	4240	3560	2960
055625-055874	9610	8740	7930	7010	6330	5660	4980	4300	3610	3020
055875-056124	9670	8800	7990	7070	6400	5720	5040	4360	3670	3070
056125-056374	9730	8860	8050	7130	6460	5780	5100	4430	3740	3130
056375-056624	9790	8920	8120	7190	6520	5840	5160	4490	3800	3190
056625-056874	9850	8990	8180	7260	6580	5900	5230	4550	3870	3240
056875-057124	9910	9050	8240	7320	6640	5960	5290	4610	3930	3300
057125-057374	9970	9110	8300	7380	6700	6020	5350	4670	3990	3360
057375-057624	10030	9170	8360	7440	6760	6090	5410	4730	4050	3420
057625-057874	10090	9230	8420	7500	6820	6150	5470	4790	4120	3470
057875-058124	10160	9290	8480	7560	6880	6210	5530	4850	4180	3530
058125-058374	10220	9350	8540	7620	6950	6270	5590	4910	4240	3580
058375-058624	10280	9410	8600	7680	7010	6330	5650	4980	4300	3630
058625-058874	10340	9470	8670	7740	7070	6390	5710	5040	4360	3680
058875-059124	10400	9530	8730	7810	7130	6450	5770	5100	4420	3740
059125-059374	10460	9600	8790	7870	7190	6510	5840	5160	4480	3810
059375-059624	10520	9660	8850	7930	7250	6570	5900	5220	4540	3870
059625-059874	10580	9720	8910	7990	7310	6640	5960	5280	4600	3930

Table A - Expected Family Contribution for a Dependent Student From a Two - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS									
	3	4	5	6	7	8	9	10	11	12
059875-060124	10640	9780	8970	8050	7370	6700	6020	5340	4670	3990
060125-060374	10710	9840	9030	8110	7430	6760	6080	5400	4730	4050
060375-060624	10770	9900	9090	8170	7500	6820	6140	5460	4790	4110
060625-060874	10830	9960	9150	8230	7560	6880	6200	5530	4850	4170
060875-061124	10890	10020	9220	8290	7620	6940	6260	5590	4910	4230
061125-061374	10950	10080	9280	8360	7680	7000	6320	5650	4970	4290
061375-061624	11010	10150	9340	8420	7740	7060	6390	5710	5030	4360
061625-061874	11070	10210	9400	8480	7800	7120	6450	5770	5090	4420
061875-062124	11130	10270	9460	8540	7860	7180	6510	5830	5150	4480
062125-062374	11190	10330	9520	8600	7920	7250	6570	5890	5220	4540
062375-062624	11260	10390	9580	8660	7980	7310	6630	5950	5280	4600
062625-062874	11320	10450	9640	8720	8050	7370	6690	6010	5340	4660
062875-063124	11380	10510	9700	8780	8110	7430	6750	6080	5400	4720
063125-063374	11430	10570	9770	8840	8170	7490	6810	6140	5460	4780
063375-063624	11490	10630	9830	8910	8230	7550	6870	6200	5520	4840
063625-063874	11550	10700	9890	8970	8290	7610	6940	6260	5580	4910
063875-064124	11600	10760	9950	9030	8350	7670	7000	6320	5640	4970
064125-064374	11660	10810	10010	9090	8410	7730	7060	6380	5700	5030
064375-064624	11720	10870	10070	9150	8470	7800	7120	6440	5770	5090
064625-064874	11770	10930	10130	9210	8530	7860	7180	6500	5830	5150
064875-065124	11830	10980	10190	9270	8590	7920	7240	6560	5890	5210
065125-065374	11880	11040	10250	9330	8660	7980	7300	6630	5950	5270
065375-065624	11940	11100	10310	9390	8720	8040	7360	6690	6010	5330
065625-065874	12000	11150	10360	9460	8780	8100	7420	6750	6070	5390
065875-066124	12050	11210	10420	9520	8840	8160	7490	6810	6130	5460
066125-066374	12110	11260	10470	9570	8900	8220	7550	6870	6190	5520
066375-066624	12170	11320	10530	9630	8960	8280	7610	6930	6250	5580
066625-066874	12220	11380	10590	9690	9020	8350	7670	6990	6320	5640
066875-067124	12280	11430	10640	9740	9080	8410	7730	7050	6380	5700
067125-067374	12340	11490	10700	9800	9140	8470	7790	7110	6440	5760
067375-067624	12390	11550	10760	9850	9200	8530	7850	7180	6500	5820
067625-067874	12450	11600	10810	9910	9250	8590	7910	7240	6560	5880
067875-068124	12510	11660	10870	9970	9310	8650	7970	7300	6620	5940
068125-068374	12560	11720	10930	10020	9370	8710	8040	7360	6680	6010
068375-068624	12620	11770	10980	10080	9420	8760	8100	7420	6740	6070
068625-068874	12670	11830	11040	10140	9480	8820	8160	7480	6800	6130
068875-069124	12730	11880	11100	10190	9530	8880	8220	7540	6870	6190
069125-069374	12790	11940	11150	10250	9590	8930	8280	7600	6930	6250
069375-069624	12840	12000	11210	10310	9650	8990	8330	7660	6990	6310
069625-069874	12900	12050	11260	10360	9700	9050	8390	7730	7050	6370

Table A - Expected Family Contribution for a Dependent Student From a Two - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS									
	3	4	5	6	7	8	9	10	11	12
069875-070124	12960	12110	11320	10420	9760	9100	8440	7790	7110	6430
070125-070374	13010	12170	11380	10470	9820	9160	8500	7840	7170	6490
070375-070624	13070	12220	11430	10530	9870	9220	8560	7900	7230	6560
070625-070874	13130	12280	11490	10590	9930	9270	8610	7960	7290	6620
070875-071124	13180	12340	11550	10640	9990	9330	8670	8010	7350	6680
071125-071374	13240	12390	11600	10700	10040	9380	8730	8070	7410	6740
071375-071624	13290	12450	11660	10760	10100	9440	8780	8120	7470	6800
071625-071874	13350	12510	11720	10810	10160	9500	8840	8180	7520	6860
071875-072124	13410	12560	11770	10870	10210	9550	8900	8240	7580	6920
072125-072374	13460	12620	11830	10930	10270	9610	8950	8290	7640	6980
072375-072624	13520	12670	11880	10980	10320	9670	9010	8350	7690	7030
072625-072874	13580	12730	11940	11040	10380	9720	9060	8410	7750	7090
072875-073124	13630	12790	12000	11100	10440	9780	9120	8460	7810	7150
073125-073374	13690	12840	12050	11150	10490	9840	9180	8520	7860	7200
073375-073624	13750	12900	12110	11210	10550	9890	9230	8580	7920	7260
073625-073874	13800	12960	12170	11260	10610	9950	9290	8630	7970	7320
073875-074124	13860	13010	12220	11320	10660	10000	9350	8690	8030	7370
074125-074374	13920	13070	12280	11380	10720	10060	9400	8750	8090	7430
074375-074624	13970	13130	12340	11430	10780	10120	9460	8800	8140	7490
074625-074874	14030	13180	12390	11490	10830	10170	9520	8860	8200	7540
074875-075000	14080	13240	12450	11550	10890	10230	9570	8910	8260	7600

OVER \$75,000--MUST USE CAMPUS-BASED APPROVED NEED ANALYSIS SYSTEM

BILLING CODE 4000-01-C

Table B—Expected Family Contribution for a Dependent Student From a One-Parent Family—1984-85

For a dependent student from a one-parent family, the educational institution determines the student's expected family contribution according to Table B. The amount obtained from the table is divided by the number of family members enrolled on at least a half-time basis in a postsecondary educational institution.

As used in Table B, "Family members" include the student, the student's spouse and their dependents, and the student's parent and the parent's dependents.

Table B is based on the following assumptions:

- The parent is employed,
- No assets are considered, and
- All of the family income was earned by the parent.

The conversion of the adjusted gross income to the expected family contribution is performed by subtracting from the adjusted gross income the following:

- Federal income tax, based on standard deductions, computed at the rate applied to taxpayers who qualify as heads of households,
- F.I.C.A. (Social Security) for one wage earner,
- Average State and other taxes (8%),
- An employment allowance of 30% of income, to a maximum of \$1,900, and
- A Standard Maintenance Allowance,

based on the average non-discretionary living expenses for families and derived from the Bureau of Labor Statistics low budget standard, as adjusted for inflation and family size. The Standard Maintenance Allowance does not include an allowance for living expenses of the dependent student for the 9 months of school because those living expenses are included in the student's cost of education.

To this balance, called "available income," which represents discretionary income, a conversion percentage is applied. The percentage increases as available income increases. The resulting value is the expected family contribution.

BILLING CODE 4000-01-M

Table B - Expected Family Contribution for a Dependent Student From a One - Parent Family--1984-85

ADJUSTED GROSS INCOME LESS THAN \$3000	NUMBER OF FAMILY MEMBERS											
	2	3	4	5	6	7	8	9	10	11	12	
	AUTOMATICALLY ELIGIBLE											
030001-030124	2590	2100	1590	1170	720	370	20	0	0	0	0	
030125-030374	2640	2140	1620	1200	750	400	50	0	0	0	0	
030375-030624	2680	2180	1660	1230	780	440	90	0	0	0	0	
030625-030874	2730	2220	1690	1260	810	470	120	0	0	0	0	
030875-031124	2790	2260	1730	1300	840	500	150	0	0	0	0	
031125-031374	2820	2300	1760	1330	870	530	190	0	0	0	0	
031375-031624	2860	2340	1800	1360	900	560	220	0	0	0	0	
031625-031874	2910	2380	1830	1390	930	590	250	0	0	0	0	
031875-032124	2950	2420	1870	1420	960	620	280	0	0	0	0	
032125-032374	3000	2470	1900	1450	1000	650	310	0	0	0	0	
032375-032624	3050	2510	1940	1480	1030	680	340	0	0	0	0	
032625-032874	3100	2550	1980	1520	1060	720	370	30	0	0	0	
032875-033124	3150	2600	2020	1550	1090	750	410	60	0	0	0	
033125-033374	3200	2640	2060	1590	1120	780	440	100	0	0	0	
033375-033624	3250	2690	2090	1620	1150	810	470	130	0	0	0	
033625-033874	3300	2730	2130	1660	1180	840	500	160	0	0	0	
033875-034124	3360	2770	2170	1690	1210	870	530	190	0	0	0	
034125-034374	3410	2820	2210	1720	1240	900	560	220	0	0	0	
034375-034624	3460	2860	2240	1750	1270	930	590	250	0	0	0	
034625-034874	3510	2900	2280	1780	1300	960	620	280	0	0	0	
034875-035124	3560	2950	2320	1820	1330	990	650	310	0	0	0	
035125-035374	3610	2990	2350	1850	1360	1030	680	340	0	0	0	
035375-035624	3660	3040	2390	1880	1390	1060	720	370	30	0	0	
035625-035874	3720	3100	2430	1910	1420	1090	750	410	70	0	0	
035875-036124	3790	3150	2480	1960	1450	1120	780	440	100	0	0	
036125-036374	3860	3210	2530	2000	1480	1150	820	480	130	0	0	
036375-036624	3920	3270	2580	2040	1520	1180	850	510	170	0	0	
036625-036874	3990	3330	2630	2080	1550	1220	890	550	200	0	0	
036875-037124	4050	3390	2680	2120	1590	1250	920	580	240	0	0	
037125-037374	4120	3440	2730	2170	1630	1280	950	610	270	0	0	
037375-037624	4180	3500	2780	2210	1660	1310	980	650	310	0	0	
037625-037874	4250	3550	2830	2250	1700	1340	1010	680	340	0	0	
037875-038124	4310	3610	2880	2290	1740	1380	1050	720	380	40	0	
038125-038374	4380	3660	2930	2330	1770	1410	1080	750	410	70	0	
038375-038624	4440	3730	2970	2380	1810	1440	1110	780	450	110	0	
038625-038874	4510	3790	3020	2420	1840	1470	1140	810	480	140	0	
038875-039124	4570	3860	3080	2470	1880	1510	1170	840	510	170	0	
039125-039374	4630	3920	3130	2520	1920	1540	1210	880	550	210	0	
039375-039624	4700	3980	3190	2560	1960	1580	1240	910	580	240	0	
039625-039874	4760	4050	3240	2610	2000	1610	1270	940	610	280	0	

Table B - Expected Family Contribution for a Dependent Student From a One - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
039875-040124	4830	4110	3300	2660	2040	1650	1300	970	640	310	0
040125-040374	4890	4180	3350	2700	2080	1690	1330	1000	670	340	10
040375-040624	4960	4240	3410	2750	2120	1720	1360	1030	700	370	40
040625-040874	5020	4310	3460	2800	2160	1760	1400	1070	740	410	80
040875-041124	5090	4370	3520	2840	2200	1800	1430	1100	770	440	110
041125-041374	5150	4440	3570	2890	2240	1830	1460	1130	800	470	140
041375-041624	5220	4500	3630	2940	2280	1860	1490	1160	830	500	170
041625-041874	5280	4570	3690	2980	2320	1900	1530	1190	860	530	200
041875-042124	5340	4630	3750	3040	2360	1940	1570	1230	900	570	240
042125-042374	5410	4700	3820	3090	2400	1980	1600	1260	930	600	270
042375-042624	5470	4760	3880	3150	2450	2020	1630	1290	960	630	300
042625-042874	5540	4820	3950	3200	2500	2060	1670	1320	990	660	330
042875-043124	5600	4890	4010	3260	2540	2100	1700	1350	1020	690	360
043125-043374	5670	4950	4070	3310	2590	2140	1740	1380	1060	730	400
043375-043624	5730	5020	4140	3370	2640	2180	1770	1420	1090	760	430
043625-043874	5800	5090	4200	3420	2680	2220	1810	1450	1120	790	460
043875-044124	5860	5150	4270	3480	2730	2260	1840	1480	1150	820	490
044125-044374	5930	5210	4330	3530	2780	2300	1880	1510	1180	850	520
044375-044624	5990	5280	4400	3590	2820	2340	1910	1540	1210	890	560
044625-044874	6060	5340	4460	3640	2870	2380	1950	1580	1240	920	590
044875-045124	6120	5410	4530	3700	2920	2420	1990	1610	1270	950	620
045125-045374	6190	5470	4590	3770	2960	2460	2030	1650	1300	980	650
045375-045624	6250	5540	4660	3830	3010	2510	2070	1680	1330	1010	680
045625-045874	6310	5600	4720	3900	3070	2560	2110	1710	1360	1040	710
045875-046124	6380	5660	4790	3960	3120	2600	2150	1750	1390	1070	750
046125-046374	6440	5730	4850	4030	3180	2650	2190	1780	1420	1100	780
046375-046624	6510	5790	4910	4090	3230	2700	2230	1820	1450	1130	810
046625-046874	6570	5860	4980	4160	3290	2740	2270	1850	1490	1160	840
046875-047124	6630	5920	5040	4220	3340	2790	2310	1890	1520	1190	870
047125-047374	6680	5990	5110	4290	3400	2840	2350	1920	1550	1220	900
047375-047624	6740	6050	5170	4350	3450	2880	2390	1960	1590	1250	930
047625-047874	6800	6120	5240	4420	3510	2930	2430	2000	1620	1280	960
047875-048124	6850	6170	5300	4480	3560	2980	2480	2040	1660	1310	990
048125-048374	6910	6230	5370	4540	3620	3030	2520	2080	1690	1340	1020
048375-048624	6970	6280	5430	4610	3670	3090	2570	2120	1720	1370	1050
048625-048874	7020	6340	5490	4670	3740	3140	2620	2160	1760	1400	1080
048875-049124	7080	6400	5550	4740	3800	3200	2660	2200	1790	1430	1110
049125-049374	7140	6450	5610	4800	3870	3250	2710	2240	1830	1460	1140
049375-049624	7190	6510	5660	4870	3930	3310	2760	2280	1860	1490	1170
049625-049874	7250	6570	5720	4930	4000	3360	2800	2320	1900	1530	1200

Table B - Expected Family Contribution for a Dependent Student From a One - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
049875-050124	7300	6620	5780	4990	4060	3420	2850	2360	1930	1560	1230
050125-050374	7360	6680	5830	5040	4130	3470	2900	2400	1970	1600	1260
050375-050624	7420	6740	5890	5100	4190	3530	2940	2440	2010	1630	1290
050625-050874	7470	6790	5950	5160	4250	3580	2990	2490	2050	1670	1320
050875-051124	7530	6850	6000	5210	4310	3640	3050	2540	2090	1700	1350
051125-051374	7590	6900	6060	5270	4370	3690	3100	2590	2130	1740	1380
051375-051624	7640	6960	6120	5330	4420	3740	3160	2630	2170	1770	1410
051625-051874	7700	7020	6170	5380	4480	3820	3210	2680	2210	1800	1440
051875-052124	7760	7070	6230	5440	4540	3880	3270	2730	2250	1840	1470
052125-052374	7810	7130	6280	5490	4590	3930	3320	2770	2290	1870	1510
052375-052624	7870	7190	6340	5550	4650	3990	3380	2820	2330	1910	1540
052625-052874	7920	7240	6400	5610	4710	4050	3430	2870	2370	1950	1570
052875-053124	7980	7300	6450	5660	4760	4100	3480	2910	2410	1990	1610
053125-053374	8040	7360	6510	5720	4820	4160	3530	2960	2460	2030	1640
053375-053624	8090	7410	6570	5780	4870	4220	3570	3010	2510	2070	1680
053625-053874	8150	7470	6620	5830	4930	4270	3620	3060	2550	2110	1710
053875-054124	8210	7530	6680	5890	4990	4330	3670	3110	2600	2150	1750
054125-054374	8260	7580	6740	5950	5040	4390	3730	3160	2650	2190	1780
054375-054624	8320	7640	6790	6000	5100	4440	3780	3210	2690	2220	1810
054625-054874	8380	7690	6850	6060	5160	4500	3840	3250	2740	2260	1850
054875-055124	8430	7750	6900	6120	5210	4550	3900	3300	2780	2300	1880
055125-055374	8490	7810	6960	6170	5270	4610	3950	3350	2820	2340	1920
055375-055624	8550	7860	7020	6230	5330	4670	4010	3400	2860	2380	1960
055625-055874	8600	7920	7070	6280	5380	4720	4070	3450	2900	2430	2000
055875-056124	8660	7980	7130	6340	5440	4780	4120	3490	2940	2470	2040
056125-056374	8710	8030	7190	6400	5490	4840	4180	3540	2980	2510	2080
056375-056624	8770	8090	7240	6450	5550	4890	4240	3590	3030	2550	2120
056625-056874	8830	8150	7300	6510	5610	4950	4290	3640	3080	2590	2160
056875-057124	8880	8200	7360	6570	5660	5010	4350	3690	3130	2630	2190
057125-057374	8940	8260	7410	6620	5720	5060	4400	3750	3170	2670	2230
057375-057624	9000	8310	7470	6680	5780	5120	4460	3800	3220	2710	2260
057625-057874	9050	8370	7530	6740	5830	5180	4520	3860	3270	2750	2300
057875-058124	9110	8430	7580	6790	5890	5230	4570	3920	3320	2790	2330
058125-058374	9170	8480	7640	6850	5950	5290	4630	3970	3370	2830	2370
058375-058624	9220	8540	7690	6900	6000	5340	4690	4030	3410	2870	2400
058625-058874	9280	8600	7750	6960	6060	5400	4740	4080	3460	2920	2440
058875-059124	9330	8650	7810	7020	6120	5460	4800	4140	3510	2960	2480
059125-059374	9390	8710	7860	7070	6170	5510	4860	4200	3560	3000	2520
059375-059624	9450	8770	7920	7130	6230	5570	4910	4250	3610	3050	2560
059625-059874	9500	8820	7980	7190	6280	5630	4970	4310	3650	3090	2600

Table B - Expected Family Contribution for a Dependent Student From a One - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
059875-060124	9560	8880	8030	7240	6340	5680	5020	4370	3710	3140	2640
060125-060374	9620	8940	8090	7300	6400	5740	5080	4420	3770	3190	2680
060375-060624	9670	8990	8150	7360	6450	5800	5140	4480	3820	3240	2720
060625-060874	9730	9050	8200	7410	6510	5850	5190	4540	3880	3290	2770
060875-061124	9790	9100	8260	7470	6570	5910	5250	4590	3930	3330	2810
061125-061374	9840	9160	8310	7530	6620	5960	5310	4650	3990	3380	2850
061375-061624	9900	9220	8370	7580	6680	6020	5360	4710	4050	3430	2890
061625-061874	9960	9270	8430	7640	6740	6080	5420	4760	4100	3480	2930
061875-062124	10010	9330	8480	7690	6790	6130	5480	4820	4160	3530	2970
062125-062374	10070	9390	8540	7750	6850	6190	5530	4870	4220	3570	3010
062375-062624	10120	9440	8600	7810	6900	6250	5590	4930	4270	3620	3060
062625-062874	10180	9500	8650	7860	6960	6300	5650	4990	4330	3670	3110
062875-063124	10230	9560	8710	7920	7020	6360	5700	5040	4390	3730	3160
063125-063374	10280	9610	8770	7980	7070	6420	5760	5100	4440	3780	3210
063375-063624	10330	9670	8820	8030	7130	6470	5810	5160	4500	3840	3250
063625-063874	10380	9720	8880	8090	7190	6530	5870	5210	4550	3900	3300
063875-064124	10440	9770	8940	8150	7240	6590	5930	5270	4610	3950	3350
064125-064374	10490	9830	8990	8200	7300	6640	5980	5330	4670	4010	3400
064375-064624	10540	9880	9050	8260	7360	6700	6040	5380	4720	4070	3450
064625-064874	10590	9930	9100	8310	7410	6750	6100	5440	4780	4120	3490
064875-065124	10640	9980	9150	8370	7470	6810	6150	5490	4840	4180	3540
065125-065374	10690	10030	9210	8430	7530	6870	6210	5550	4890	4240	3590
065375-065624	10750	10080	9260	8480	7580	6920	6270	5610	4950	4290	3640
065625-065874	10800	10140	9310	8540	7640	6980	6320	5660	5010	4350	3690
065875-066124	10850	10190	9360	8590	7690	7040	6380	5720	5060	4400	3750
066125-066374	10900	10240	9410	8640	7750	7090	6430	5780	5120	4460	3800
066375-066624	10950	10290	9460	8690	7810	7150	6490	5830	5180	4520	3860
066625-066874	11010	10340	9520	8740	7860	7210	6550	5890	5230	4570	3920
066875-067124	11060	10390	9570	8800	7910	7260	6600	5950	5290	4630	3970
067125-067374	11110	10450	9620	8850	7960	7320	6660	6000	5340	4690	4030
067375-067624	11160	10500	9670	8900	8020	7370	6720	6060	5400	4740	4080
067625-067874	11210	10550	9720	8950	8070	7430	6770	6120	5460	4800	4140
067875-068124	11260	10600	9770	9000	8120	7480	6830	6170	5510	4860	4200
068125-068374	11320	10650	9830	9050	8170	7530	6890	6230	5570	4910	4250
068375-068624	11370	10700	9880	9110	8220	7580	6940	6280	5630	4970	4310
068625-068874	11420	10760	9930	9160	8270	7640	7000	6340	5680	5020	4370
068875-069124	11470	10810	9980	9210	8330	7690	7050	6400	5740	5080	4420
069125-069374	11520	10860	10030	9260	8380	7740	7100	6450	5800	5140	4480
069375-069624	11570	10910	10080	9310	8430	7790	7150	6510	5850	5190	4540
069625-069874	11630	10960	10140	9360	8480	7840	7200	6560	5910	5250	4590

Table B - Expected Family Contribution for a Dependent Student From a One - Parent Family--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
069875-070124	11680	11010	10190	9420	8530	7890	7250	6620	5960	5310	4650
070125-070374	11730	11070	10240	9470	8580	7950	7310	6670	6020	5360	4710
070375-070624	11780	11120	10290	9520	8640	8000	7360	6720	6080	5420	4760
070625-070874	11830	11170	10340	9570	8690	8050	7410	6770	6130	5480	4820
070875-071124	11880	11220	10390	9620	8740	8100	7460	6820	6180	5530	4870
071125-071374	11940	11270	10450	9680	8790	8150	7510	6870	6230	5590	4930
071375-071624	11990	11320	10500	9730	8840	8200	7560	6930	6290	5650	4990
071625-071874	12040	11380	10550	9780	8890	8260	7620	6980	6340	5700	5040
071875-072124	12090	11430	10600	9830	8950	8310	7670	7030	6390	5750	5100
072125-072374	12140	11480	10650	9880	9000	8360	7720	7080	6440	5800	5160
072375-072624	12190	11530	10700	9930	9050	8410	7770	7130	6490	5850	5210
072625-072874	12250	11580	10760	9990	9100	8460	7820	7180	6540	5910	5270
072875-073124	12300	11630	10810	10040	9150	8510	7870	7240	6600	5960	5320
073125-073374	12350	11690	10860	10090	9210	8570	7930	7290	6650	6010	5370
073375-073624	12400	11740	10910	10140	9260	8620	7980	7340	6700	6060	5420
073625-073874	12450	11790	10960	10190	9310	8670	8030	7390	6750	6110	5470
073875-074124	12500	11840	11010	10240	9360	8720	8080	7440	6800	6160	5520
074125-074374	12560	11890	11070	10300	9410	8770	8130	7490	6860	6220	5580
074375-074624	12610	11950	11120	10350	9460	8820	8190	7550	6910	6270	5630
074625-074874	12660	12000	11170	10400	9520	8880	8240	7600	6960	6320	5680
074875-075000	12710	12050	11220	10450	9570	8930	8290	7650	7010	6370	5730

OVER \$75,000--MUST USE CAMPUS-BASED APPROVED NEED ANALYSIS SYSTEM

Table C—Expected Family Contribution for a Married Independent Student—1984-85

For a married independent student, the educational institution determines the student's expected family contribution according to Table C. The amount obtained from the table is divided by the number of family members enrolled on at least a half-time basis in a postsecondary educational institution. The contributions set forth in Table C are based on a 12-month budget. If

an educational institution calculates an independent student budget on a 9-month basis, it must multiply the contribution in the table by .75. No family assets are considered.

As used in Table C, "Family members" include the student, the student's spouse and their dependents.

The conversion of the adjusted gross income to the expected family contribution is performed by subtracting from the adjusted gross income the following:

- Federal income tax, based on standard deductions, computed at the rate applied to married taxpayers filing joint returns,
- F.I.C.A. (Social Security) for one wage earner, and
- Average State and other taxes (4%).

The resulting value is the expected family contribution. No deduction is made for living expenses of the student and his or her family because those expenses are included in the student's cost of attendance.

BILLING CODE 4000-01-M

Table C- Expected Family Contribution for a Married Independent Student--1984-85

ADJUSTED GROSS INCOME LESS THAN \$3001	NUMBER OF FAMILY MEMBERS											
	2	3	4	5	6	7	8	9	10	11	12	
	AUTOMATICALLY ELIGIBLE											
030001-030124	22250	22510	22770	23030	23270	23500	23730	23960	24180	24370	24560	
030125-030374	22400	22660	22920	23180	23430	23660	23890	24120	24350	24550	24740	
030375-030624	22560	22820	23080	23340	23600	23830	24060	24290	24520	24720	24910	
030625-030874	22720	22980	23240	23500	23760	24000	24230	24460	24690	24900	25090	
030875-031124	22880	23140	23400	23660	23920	24160	24390	24620	24850	25070	25260	
031125-031374	23040	23300	23560	23820	24080	24330	24560	24790	25020	25250	25440	
031375-031624	23200	23460	23720	23980	24240	24490	24720	24950	25180	25410	25610	
031625-031874	23350	23610	23870	24130	24390	24650	24890	25120	25350	25580	25790	
031875-032124	23510	23770	24030	24290	24550	24810	25050	25280	25510	25740	25970	
032125-032374	23660	23930	24190	24450	24710	24970	25220	25450	25680	25910	26140	
032375-032624	23800	24090	24350	24610	24870	25130	25390	25620	25850	26080	26310	
032625-032874	23950	24250	24510	24770	25030	25290	25550	25780	26010	26240	26470	
032875-033124	24100	24400	24660	24920	25180	25440	25700	25950	26180	26410	26640	
033125-033374	24250	24550	24820	25080	25340	25600	25860	26110	26340	26570	26800	
033375-033624	24400	24700	24980	25240	25500	25760	26020	26280	26510	26740	26970	
033625-033874	24550	24850	25140	25400	25660	25920	26180	26440	26670	26900	27130	
033875-034124	24690	24990	25290	25560	25820	26080	26340	26600	26840	27070	27300	
034125-034374	24840	25140	25440	25720	25980	26240	26500	26760	27010	27240	27470	
034375-034624	24990	25290	25590	25870	26130	26390	26650	26910	27170	27400	27630	
034625-034874	25140	25440	25740	26030	26290	26550	26810	27070	27330	27570	27800	
034875-035124	25290	25590	25890	26190	26450	26710	26970	27230	27490	27730	27960	
035125-035374	25440	25740	26040	26340	26610	26870	27130	27390	27650	27900	28130	
035375-035624	25580	25880	26180	26480	26770	27030	27290	27550	27810	28060	28290	
035625-035874	25740	26040	26340	26640	26930	27190	27450	27710	27970	28230	28460	
035875-036124	25900	26200	26500	26800	27100	27360	27620	27880	28140	28400	28650	
036125-036374	26070	26370	26670	26970	27270	27540	27800	28060	28320	28580	28830	
036375-036624	26230	26530	26830	27130	27430	27710	27970	28230	28490	28750	29010	
036625-036874	26400	26700	27000	27300	27600	27890	28150	28410	28670	28930	29190	
036875-037124	26560	26860	27160	27460	27760	28060	28320	28580	28840	29100	29360	
037125-037374	26720	27030	27330	27630	27930	28230	28500	28760	29020	29280	29540	
037375-037624	26880	27190	27490	27790	28090	28390	28670	28930	29190	29450	29710	
037625-037874	27030	27360	27660	27960	28260	28560	28850	29110	29370	29630	29890	
037875-038124	27180	27520	27820	28120	28420	28720	29020	29280	29540	29800	30060	
038125-038374	27330	27680	27990	28290	28590	28890	29190	29460	29720	29980	30240	
038375-038624	27490	27840	28150	28450	28750	29050	29350	29630	29890	30150	30410	
038625-038874	27640	27990	28320	28620	28920	29220	29520	29810	30070	30330	30590	
038875-039124	27790	28140	28480	28780	29080	29380	29680	29980	30240	30500	30760	
039125-039374	27940	28290	28640	28950	29250	29550	29850	30150	30420	30680	30940	
039375-039624	28100	28450	28800	29110	29410	29710	30010	30310	30590	30850	31110	
039625-039874	28250	28600	28950	29280	29580	29880	30180	30480	30770	31030	31290	

Table C- Expected Family Contribution for a Married Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
03975-040124	28400	28750	29100	29440	29740	30040	30340	30640	30940	31200	31460
040125-040374	28550	28900	29250	29600	29910	30210	30510	30810	31110	31380	31640
040375-040624	28710	29060	29410	29760	30070	30370	30670	30970	31270	31550	31810
040625-040874	28860	29210	29560	29910	30240	30540	30840	31140	31440	31730	31990
040875-041124	29010	29360	29710	30060	30400	30700	31000	31300	31600	31900	32160
041125-041374	29160	29510	29860	30210	30560	30870	31170	31470	31770	32070	32340
041375-041624	29320	29670	30020	30370	30720	31030	31330	31630	31930	32230	32510
041625-041874	29470	29820	30170	30520	30870	31200	31500	31800	32100	32400	32690
041875-042124	29620	29970	30320	30670	31020	31360	31660	31960	32260	32560	32860
042125-042374	29770	30120	30470	30820	31170	31520	31830	32130	32430	32730	33030
042375-042624	29930	30280	30630	30980	31330	31680	31990	32290	32590	32890	33190
042625-042874	30080	30430	30780	31130	31480	31830	32160	32460	32760	33060	33360
042875-043124	30230	30580	30930	31280	31630	31980	32320	32620	32920	33220	33520
043125-043374	30380	30730	31080	31430	31780	32130	32480	32790	33090	33390	33690
043375-043624	30540	30890	31240	31590	31940	32290	32640	32950	33250	33550	33850
043625-043874	30690	31040	31390	31740	32090	32440	32790	33120	33420	33720	34020
043875-044124	30840	31190	31540	31890	32240	32590	32940	33280	33580	33880	34180
044125-044374	30990	31340	31690	32040	32390	32740	33090	33440	33750	34050	34350
044375-044624	31150	31500	31850	32200	32550	32900	33250	33600	33910	34210	34510
044625-044874	31300	31650	32000	32350	32700	33050	33400	33750	34080	34380	34680
044875-045124	31450	31800	32150	32500	32850	33200	33550	33900	34240	34540	34840
045125-045374	31600	31950	32300	32650	33000	33350	33700	34050	34400	34710	35010
045375-045624	31760	32110	32460	32810	33160	33510	33860	34210	34560	34870	35170
045625-045874	31910	32260	32610	32960	33310	33660	34010	34360	34710	35040	35340
045875-046124	32060	32410	32760	33110	33460	33810	34160	34510	34860	35200	35500
046125-046374	32210	32560	32910	33260	33610	33960	34310	34660	35010	35360	35670
046375-046624	32370	32720	33070	33420	33770	34120	34470	34820	35170	35520	35830
046625-046874	32520	32870	33220	33570	33920	34270	34620	34970	35320	35670	36000
046875-047124	32670	33020	33370	33720	34070	34420	34770	35120	35470	35820	36160
047125-047374	32820	33170	33520	33870	34220	34570	34920	35270	35620	35970	36320
047375-047624	32980	33330	33680	34030	34380	34730	35080	35430	35780	36130	36480
047625-047874	33130	33480	33830	34180	34530	34880	35230	35580	35930	36280	36630
047875-048124	33270	33630	33980	34330	34680	35030	35380	35730	36080	36430	36780
048125-048374	33410	33780	34130	34480	34830	35180	35530	35880	36230	36580	36930
048375-048624	33550	33940	34290	34640	34990	35340	35690	36040	36390	36740	37090
048625-048874	33690	34090	34440	34790	35140	35490	35840	36190	36540	36890	37240
048875-049124	33830	34230	34590	34940	35290	35640	35990	36340	36690	37040	37390
049125-049374	33970	34370	34740	35090	35440	35790	36140	36490	36840	37190	37540
049375-049624	34110	34510	34900	35250	35600	35950	36300	36650	37000	37350	37700
049625-049874	34250	34650	35050	35400	35750	36100	36450	36800	37150	37500	37850

Table C- Expected Family Contribution for a Married Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
049875-050124	34390	34790	35190	35550	35900	36250	36600	36950	37300	37650	38000
050125-050374	34530	34930	35330	35700	36050	36400	36750	37100	37450	37800	38150
050375-050624	34670	35070	35470	35860	36210	36560	36910	37260	37610	37960	38310
050625-050874	34810	35210	35610	36010	36360	36710	37060	37410	37760	38110	38460
050875-051124	34950	35350	35750	36150	36510	36860	37210	37560	37910	38260	38610
051125-051374	35090	35490	35890	36290	36660	37010	37360	37710	38060	38410	38760
051375-051624	35230	35630	36030	36430	36820	37170	37520	37870	38220	38570	38920
051625-051874	35370	35770	36170	36570	36970	37320	37670	38020	38370	38720	39070
051875-052124	35510	35910	36310	36710	37110	37470	37820	38170	38520	38870	39220
052125-052374	35650	36050	36450	36850	37250	37620	37970	38320	38670	39020	39370
052375-052624	35790	36190	36590	36990	37390	37780	38130	38480	38830	39180	39530
052625-052874	35930	36330	36730	37130	37530	37930	38280	38630	38980	39330	39680
052875-053124	36070	36470	36870	37270	37670	38070	38430	38780	39130	39480	39830
053125-053374	36210	36610	37010	37410	37810	38210	38580	38930	39280	39630	39980
053375-053624	36350	36750	37150	37550	37950	38350	38740	39090	39440	39790	40140
053625-053874	36490	36890	37290	37690	38090	38490	38890	39240	39590	39940	40290
053875-054124	36630	37030	37430	37830	38230	38630	39030	39390	39740	40090	40440
054125-054374	36770	37170	37570	37970	38370	38770	39170	39540	39890	40240	40590
054375-054624	36910	37310	37710	38110	38510	38910	39310	39700	40050	40400	40750
054625-054874	37050	37450	37850	38250	38650	39050	39450	39850	40200	40550	40900
054875-055124	37190	37590	37990	38390	38790	39190	39590	39990	40350	40700	41050
055125-055374	37330	37730	38130	38530	38930	39330	39730	40130	40500	40850	41200
055375-055624	37470	37870	38270	38670	39070	39470	39870	40270	40660	41010	41360
055625-055874	37610	38010	38410	38810	39210	39610	40010	40410	40810	41160	41510
055875-056124	37750	38150	38550	38950	39350	39750	40150	40550	40950	41310	41660
056125-056374	37890	38290	38690	39090	39490	39890	40290	40690	41090	41460	41810
056375-056624	38030	38430	38830	39230	39630	40030	40430	40830	41230	41620	41970
056625-056874	38170	38570	38970	39370	39770	40170	40570	40970	41370	41770	42120
056875-057124	38310	38710	39110	39510	39910	40310	40710	41110	41510	41910	42270
057125-057374	38450	38850	39250	39650	40050	40450	40850	41250	41650	42050	42420
057375-057624	38590	38990	39390	39790	40190	40590	40990	41390	41790	42190	42580
057625-057874	38730	39130	39530	39930	40330	40730	41130	41530	41930	42330	42730
057875-058124	38870	39270	39670	40070	40470	40870	41270	41670	42070	42470	42870
058125-058374	39010	39410	39810	40210	40610	41010	41410	41810	42210	42610	43010
058375-058624	39150	39550	39950	40350	40750	41150	41550	41950	42350	42750	43150
058625-058874	39290	39690	40090	40490	40890	41290	41690	42090	42490	42890	43290
058875-059124	39430	39830	40230	40630	41030	41430	41830	42230	42630	43030	43430
059125-059374	39570	39970	40370	40770	41170	41570	41970	42370	42770	43170	43570
059375-059624	39710	40110	40510	40910	41310	41710	42110	42510	42910	43310	43710
059625-059874	39850	40250	40650	41050	41450	41850	42250	42650	43050	43450	43850

Table C- Expected Family Contribution for a Married Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
059875-060124	39990	40390	40790	41190	41590	41990	42390	42790	43190	43590	43990
060125-060374	40130	40530	40930	41330	41730	42130	42530	42930	43330	43730	44130
060375-060624	40270	40670	41070	41470	41870	42270	42670	43070	43470	43870	44270
060625-060874	40410	40810	41210	41610	42010	42410	42810	43210	43610	44010	44410
060875-061124	40550	40950	41350	41750	42150	42550	42950	43350	43750	44150	44550
061125-061374	40690	41090	41490	41890	42290	42690	43090	43490	43890	44290	44690
061375-061624	40830	41230	41630	42030	42430	42830	43230	43630	44030	44430	44830
061625-061874	40970	41370	41770	42170	42570	42970	43370	43770	44170	44570	44970
061875-062124	41110	41510	41910	42310	42710	43110	43510	43910	44310	44710	45110
062125-062374	41240	41640	42040	42440	42840	43240	43640	44040	44440	44840	45240
062375-062624	41370	41790	42190	42590	42990	43390	43790	44190	44590	44990	45390
062625-062874	41500	41930	42330	42730	43130	43530	43930	44330	44730	45130	45530
062875-063124	41630	42070	42470	42870	43270	43670	44070	44470	44870	45270	45670
063125-063374	41760	42200	42610	43010	43410	43810	44210	44610	45010	45410	45810
063375-063624	41890	42330	42750	43150	43550	43950	44350	44750	45150	45550	45950
063625-063874	42020	42460	42890	43290	43690	44090	44490	44890	45290	45690	46090
063875-064124	42150	42590	43030	43430	43830	44230	44630	45030	45430	45830	46230
064125-064374	42280	42720	43160	43570	43970	44370	44770	45170	45570	45970	46370
064375-064624	42410	42850	43290	43710	44110	44510	44910	45310	45710	46110	46510
064625-064874	42540	42980	43420	43850	44250	44650	45050	45450	45850	46250	46650
064875-065124	42670	43110	43550	43990	44390	44790	45190	45590	45990	46390	46790
065125-065374	42800	43240	43680	44120	44530	44930	45330	45730	46130	46530	46930
065375-065624	42930	43370	43810	44250	44670	45070	45470	45870	46270	46670	47070
065625-065874	43060	43500	43940	44380	44810	45210	45610	46010	46410	46810	47210
065875-066124	43190	43630	44070	44510	44950	45350	45750	46150	46550	46950	47350
066125-066374	43320	43760	44200	44640	45080	45490	45890	46290	46690	47090	47490
066375-066624	43450	43890	44330	44770	45210	45630	46030	46430	46830	47230	47630
066625-066874	43580	44020	44460	44900	45340	45770	46170	46570	46970	47370	47770
066875-067124	43710	44150	44590	45030	45470	45910	46310	46710	47110	47510	47910
067125-067374	43840	44280	44720	45160	45600	46040	46450	46850	47250	47650	48050
067375-067624	43970	44410	44850	45290	45730	46170	46590	46990	47390	47790	48190
067625-067874	44100	44540	44980	45420	45860	46300	46730	47130	47530	47930	48330
067875-068124	44230	44670	45110	45550	45990	46430	46870	47270	47670	48070	48470
068125-068374	44360	44800	45240	45680	46120	46560	47000	47410	47810	48210	48610
068375-068624	44490	44930	45370	45810	46250	46690	47130	47550	47950	48350	48750
068625-068874	44620	45060	45500	45940	46380	46820	47260	47690	48090	48490	48890
068875-069124	44750	45190	45630	46070	46510	46950	47390	47830	48230	48630	49030
069125-069374	44880	45320	45760	46200	46640	47080	47520	47960	48370	48770	49170
069375-069624	45010	45450	45890	46330	46770	47210	47650	48090	48510	48910	49310
069625-069874	45140	45580	46020	46460	46900	47340	47780	48220	48650	49050	49450

Table C- Expected Family Contribution for a Married Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS										
	2	3	4	5	6	7	8	9	10	11	12
069875-070124	45270	45710	46150	46590	47030	47470	47910	48350	48790	49190	49590
070125-070374	45400	45840	46280	46720	47160	47600	48040	48480	48920	49330	49730
070375-070624	45530	45970	46410	46850	47290	47730	48170	48610	49050	49470	49870
070625-070874	45660	46100	46540	46980	47420	47860	48300	48740	49180	49610	50010
070875-071124	45790	46230	46670	47110	47550	47990	48430	48870	49310	49750	50150
071125-071374	45920	46360	46800	47240	47680	48120	48560	49000	49440	49880	50290
071375-071624	46050	46490	46930	47370	47810	48250	48690	49130	49570	50010	50430
071625-071874	46180	46620	47060	47500	47940	48380	48820	49260	49700	50140	50570
071875-072124	46310	46750	47190	47630	48070	48510	48950	49390	49830	50270	50710
072125-072374	46440	46880	47320	47760	48200	48640	49080	49520	49960	50400	50840
072375-072624	46570	47010	47450	47890	48330	48770	49210	49650	50090	50530	50970
072625-072874	46700	47140	47580	48020	48460	48900	49340	49780	50220	50660	51100
072875-073124	46830	47270	47710	48150	48590	49030	49470	49910	50350	50790	51230
073125-073374	46960	47400	47840	48280	48720	49160	49600	50040	50480	50920	51360
073375-073624	47090	47530	47970	48410	48850	49290	49730	50170	50610	51050	51490
073625-073874	47220	47660	48100	48540	48980	49420	49860	50300	50740	51180	51620
073875-074124	47350	47790	48230	48670	49110	49550	49990	50430	50870	51310	51750
074125-074374	47480	47920	48360	48800	49240	49680	50120	50560	51000	51440	51880
074375-074624	47610	48050	48490	48930	49370	49810	50250	50690	51130	51570	52010
074625-074874	47740	48180	48620	49060	49500	49940	50380	50820	51260	51700	52140
074875-075000	47870	48310	48750	49190	49630	50070	50510	50950	51390	51830	52270

OVER \$75,000--MUST USE CAMPUS-BASED APPROVED NEED ANALYSIS SYSTEM

BILLING CODE 4000-01-C

Table D—Expected Family Contribution for a Single Independent Student—1984-85

For a single independent student, the educational institution determines the student's expected family contribution according to Table D. The amount obtained from the table is divided by the number of family members enrolled on at least a half-time basis in a postsecondary educational institution. The contributions set forth in Table D are based on a 12-month budget. If

an educational institution calculates an independent student budget on a 9-month basis, it must multiply the contribution in the table by .75. No family assets are considered.

As used in Table D, "Family members" include the student and the student's dependents.

The conversion of the adjusted gross income to the expected family contribution is performed by subtracting from the adjusted gross income the following:

—Federal income tax, based on standard

deductions, computed at the rate applied to taxpayers who qualify as heads of households.

—F.I.C.A. (Social Security) for one wage earner, and

—Average State and other taxes (4%).

The resulting value is the expected family contribution. No deduction is made for living expenses for the student and his or her family because those expenses are included in the student's cost of attendance.

BILLING CODE 4000-01-M

Table D - Expected Family Contribution for a Single Independent Student--1984-85

ADJUSTED GROSS INCOME LESS THAN \$3000	NUMBER OF FAMILY MEMBERS											
	1	2	3	4	5	6	7	8	9	10	11	12
	AUTOMATICALLY ELIGIBLE											
030001-030124	21180	21480	21770	22060	22350	22640	22910	23160	23410	23660	23910	24160
030125-030374	21320	21640	21930	22270	22510	22800	23080	23330	23580	23830	24080	24330
030375-030624	21460	21790	22080	22370	22660	22950	23240	23490	23740	23990	24240	24490
030625-030874	21600	21940	22230	22520	22810	23100	23390	23650	23900	24150	24400	24650
030875-031124	21740	22080	22380	22670	22960	23250	23540	23810	24060	24310	24560	24810
031125-031374	21880	22220	22530	22820	23110	23400	23690	23970	24220	24470	24720	24970
031375-031624	22010	22350	22680	22970	23260	23550	23840	24130	24380	24630	24880	25130
031625-031874	22150	22490	22830	23120	23410	23700	23990	24280	24540	24790	25040	25290
031875-032124	22290	22630	22970	23270	23560	23850	24140	24430	24700	24950	25200	25450
032125-032374	22430	22770	23110	23420	23710	24000	24290	24580	24860	25110	25360	25610
032375-032624	22570	22910	23250	23570	23860	24150	24440	24730	25020	25270	25520	25770
032625-032874	22700	23040	23380	23720	24010	24300	24590	24880	25170	25430	25680	25930
032875-033124	22840	23180	23520	23860	24160	24450	24740	25030	25320	25590	25840	26090
033125-033374	22980	23320	23660	24000	24310	24600	24890	25180	25470	25750	26000	26250
033375-033624	23120	23460	23800	24140	24460	24750	25040	25330	25620	25910	26160	26410
033625-033874	23260	23600	23940	24280	24620	24910	25200	25490	25780	26070	26330	26580
033875-034124	23400	23740	24080	24420	24760	25060	25350	25640	25930	26220	26490	26740
034125-034374	23530	23870	24210	24550	24890	25210	25500	25790	26080	26370	26650	26900
034375-034624	23670	24010	24350	24690	25030	25360	25650	25940	26230	26520	26810	27060
034625-034874	23810	24150	24490	24830	25170	25510	25800	26090	26380	26670	26960	27220
034875-035124	23950	24290	24630	24970	25310	25650	25950	26240	26530	26820	27110	27380
035125-035374	24080	24430	24770	25110	25450	25790	26100	26390	26680	26970	27260	27540
035375-035624	24210	24570	24910	25250	25590	25930	26250	26540	26830	27120	27410	27700
035625-035874	24350	24710	25050	25390	25730	26070	26410	26700	26990	27280	27570	27860
035875-036124	24500	24860	25200	25540	25880	26220	26560	26860	27150	27440	27730	28020
036125-036374	24640	25010	25360	25700	26040	26380	26720	27030	27320	27610	27900	28190
036375-036624	24790	25160	25510	25850	26190	26530	26870	27200	27490	27780	28070	28360
036625-036874	24940	25310	25670	26010	26350	26690	27030	27370	27660	27950	28240	28530
036875-037124	25090	25460	25820	26160	26500	26840	27180	27520	27820	28110	28400	28690
037125-037374	25230	25600	25970	26320	26660	27000	27340	27680	27990	28280	28570	28860
037375-037624	25380	25750	26120	26470	26810	27150	27490	27830	28160	28450	28740	29030
037625-037874	25530	25900	26270	26630	26970	27310	27650	27990	28330	28620	28910	29200
037875-038124	25680	26050	26420	26780	27120	27460	27800	28140	28480	28780	29070	29360
038125-038374	25820	26190	26560	26930	27280	27620	27960	28300	28640	28950	29240	29530
038375-038624	25970	26340	26710	27080	27430	27770	28110	28450	28790	29120	29410	29700
038625-038874	26120	26490	26860	27230	27590	27930	28270	28610	28950	29290	29580	29870
038875-039124	26270	26640	27010	27380	27740	28080	28420	28760	29100	29440	29740	30030
039125-039374	26410	26780	27150	27520	27890	28240	28580	28920	29260	29600	29910	30200
039375-039624	26560	26930	27300	27670	28040	28390	28730	29070	29410	29750	30080	30370
039625-039874	26710	27080	27450	27820	28190	28550	28890	29230	29570	29910	30250	30540

Table D - Expected Family Contribution for a Single Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS											
	1	2	3	4	5	6	7	8	9	10	11	12
039875-040124	26860	27230	27600	27970	28340	28700	29040	29380	29720	30060	30400	30700
040125-040374	27000	27370	27740	28110	28480	28850	29200	29540	29880	30220	30560	30870
040375-040624	27150	27520	27890	28260	28630	29000	29350	29690	30030	30370	30710	31040
040625-040874	27300	27670	28040	28410	28780	29150	29510	29850	30190	30530	30870	31210
040875-041124	27450	27820	28190	28560	28930	29300	29660	30000	30340	30680	31020	31360
041125-041374	27590	27960	28330	28700	29070	29440	29810	30160	30500	30840	31180	31520
041375-041624	27740	28110	28480	28850	29220	29590	29960	30310	30650	30990	31330	31670
041625-041874	27890	28260	28630	29000	29370	29740	30110	30470	30810	31150	31490	31830
041875-042124	28040	28410	28780	29150	29520	29890	30260	30620	30960	31300	31640	31980
042125-042374	28180	28550	28920	29290	29660	30030	30400	30770	31120	31460	31800	32140
042375-042624	28330	28700	29070	29440	29810	30180	30550	30920	31270	31610	31950	32290
042625-042874	28480	28850	29220	29590	29960	30330	30700	31070	31430	31770	32110	32450
042875-043124	28630	29000	29370	29740	30110	30480	30850	31220	31580	31920	32260	32600
043125-043374	28770	29140	29510	29880	30250	30620	30990	31360	31730	32080	32420	32760
043375-043624	28920	29290	29660	30030	30400	30770	31140	31510	31880	32230	32570	32910
043625-043874	29070	29440	29810	30180	30550	30920	31290	31660	32030	32390	32730	33070
043875-044124	29220	29590	29960	30330	30700	31070	31440	31810	32180	32540	32880	33220
044125-044374	29360	29730	30100	30470	30840	31210	31580	31950	32320	32690	33040	33380
044375-044624	29510	29880	30250	30620	30990	31360	31730	32100	32470	32840	33190	33530
044625-044874	29660	30030	30400	30770	31140	31510	31880	32250	32620	32990	33350	33690
044875-045124	29810	30180	30550	30920	31290	31660	32030	32400	32770	33140	33500	33840
045125-045374	29950	30320	30690	31060	31430	31800	32170	32540	32910	33280	33650	34000
045375-045624	30100	30470	30840	31210	31580	31950	32320	32690	33060	33430	33800	34150
045625-045874	30240	30620	30990	31360	31730	32100	32470	32840	33210	33580	33950	34310
045875-046124	30370	30770	31140	31510	31880	32250	32620	32990	33360	33730	34100	34460
046125-046374	30500	30910	31280	31650	32020	32390	32760	33130	33500	33870	34240	34610
046375-046624	30630	31060	31430	31800	32170	32540	32910	33280	33650	34020	34390	34760
046625-046874	30760	31200	31580	31950	32320	32690	33060	33430	33800	34170	34540	34910
046875-047124	30890	31330	31730	32100	32470	32840	33210	33580	33950	34320	34690	35060
047125-047374	31020	31460	31870	32240	32610	32980	33350	33720	34090	34460	34830	35200
047375-047624	31150	31590	32020	32390	32760	33130	33500	33870	34240	34610	34980	35350
047625-047874	31280	31720	32160	32540	32910	33280	33650	34020	34390	34760	35130	35500
047875-048124	31410	31850	32290	32690	33060	33430	33800	34170	34540	34910	35280	35650
048125-048374	31540	31980	32420	32830	33200	33570	33940	34310	34680	35050	35420	35790
048375-048624	31670	32110	32550	32980	33350	33720	34090	34460	34830	35200	35570	35940
048625-048874	31800	32240	32680	33120	33500	33870	34240	34610	34980	35350	35720	36090
048875-049124	31930	32370	32810	33250	33650	34020	34390	34760	35130	35500	35870	36240
049125-049374	32060	32500	32940	33380	33790	34160	34530	34900	35270	35640	36010	36380
049375-049624	32190	32630	33070	33510	33940	34310	34680	35050	35420	35790	36160	36530
049625-049874	32320	32760	33200	33640	34080	34460	34830	35200	35570	35940	36310	36680

Table D - Expected Family Contribution for a Single Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS											
	1	2	3	4	5	6	7	8	9	10	11	12
049875-050124	32450	32890	33330	33770	34210	34610	34980	35350	35720	36090	36460	36830
050125-050374	32580	33020	33460	33900	34340	34750	35120	35490	35860	36230	36600	36970
050375-050624	32710	33150	33590	34030	34470	34900	35270	35640	36010	36380	36750	37120
050625-050874	32840	33280	33720	34160	34600	35040	35420	35790	36160	36530	36900	37270
050875-051124	32970	33410	33850	34290	34730	35170	35570	35940	36310	36680	37050	37420
051125-051374	33100	33540	33980	34420	34860	35300	35710	36080	36450	36820	37190	37560
051375-051624	33230	33670	34110	34550	34990	35430	35860	36230	36600	36970	37340	37710
051625-051874	33360	33800	34240	34680	35120	35560	36000	36380	36750	37120	37490	37860
051875-052124	33490	33930	34370	34810	35250	35690	36130	36530	36900	37270	37640	38010
052125-052374	33620	34060	34500	34940	35380	35820	36260	36670	37040	37410	37780	38150
052375-052624	33750	34190	34630	35070	35510	35950	36390	36820	37190	37560	37930	38300
052625-052874	33880	34320	34760	35200	35640	36080	36520	36960	37340	37710	38080	38450
052875-053124	34010	34450	34890	35330	35770	36210	36650	37090	37490	37860	38230	38600
053125-053374	34140	34580	35020	35460	35900	36340	36780	37220	37630	38000	38370	38740
053375-053624	34270	34710	35150	35590	36030	36470	36910	37350	37780	38150	38520	38890
053625-053874	34400	34840	35280	35720	36160	36600	37040	37480	37920	38300	38670	39040
053875-054124	34530	34970	35410	35850	36290	36730	37170	37610	38050	38450	38820	39190
054125-054374	34660	35100	35540	35980	36420	36860	37300	37740	38180	38590	38960	39330
054375-054624	34790	35230	35670	36110	36550	36990	37430	37870	38310	38740	39110	39480
054625-054874	34920	35360	35800	36240	36680	37120	37560	38000	38440	38880	39260	39630
054875-055124	35050	35490	35930	36370	36810	37250	37690	38130	38570	39010	39410	39780
055125-055374	35180	35620	36060	36500	36940	37380	37820	38260	38700	39140	39550	39920
055375-055624	35310	35750	36190	36630	37070	37510	37950	38390	38830	39270	39700	40070
055625-055874	35440	35880	36320	36760	37200	37640	38080	38520	38960	39400	39840	40220
055875-056124	35570	36010	36450	36890	37330	37770	38210	38650	39090	39530	39970	40370
056125-056374	35700	36140	36580	37020	37460	37900	38340	38780	39220	39660	40100	40510
056375-056624	35830	36270	36710	37150	37590	38030	38470	38910	39350	39790	40230	40660
056625-056874	35960	36400	36840	37280	37720	38160	38600	39040	39480	39920	40360	40800
056875-057124	36090	36530	36970	37410	37850	38290	38730	39170	39610	40050	40490	40930
057125-057374	36220	36660	37100	37540	37980	38420	38860	39300	39740	40180	40620	41060
057375-057624	36350	36790	37230	37670	38110	38550	38990	39430	39870	40310	40750	41190
057625-057874	36480	36920	37360	37800	38240	38680	39120	39560	40000	40440	40880	41320
057875-058124	36610	37050	37490	37930	38370	38810	39250	39690	40130	40570	41010	41450
058125-058374	36740	37180	37620	38060	38500	38940	39380	39820	40260	40700	41140	41580
058375-058624	36870	37310	37750	38190	38630	39070	39510	39950	40390	40830	41270	41710
058625-058874	37000	37440	37880	38320	38760	39200	39640	40080	40520	40960	41400	41840
058875-059124	37130	37570	38010	38450	38890	39330	39770	40210	40650	41090	41530	41970
059125-059374	37260	37700	38140	38580	39020	39460	39900	40340	40780	41220	41660	42100
059375-059624	37390	37830	38270	38710	39150	39590	40030	40470	40910	41350	41790	42230
059625-059874	37520	37960	38400	38840	39280	39720	40160	40600	41040	41480	41920	42360

Table D - Expected Family Contribution for a Single Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS											
	1	2	3	4	5	6	7	8	9	10	11	12
059875-060124	37650	38090	38530	38970	39410	39850	40290	40730	41170	41610	42050	42490
060125-060374	37790	38220	38660	39100	39540	39980	40420	40860	41300	41740	42180	42620
060375-060624	37910	38350	38790	39230	39670	40110	40550	40990	41430	41870	42310	42750
060625-060874	38040	38480	38920	39360	39800	40240	40680	41120	41560	42000	42440	42880
060875-061124	38170	38610	39050	39490	39930	40370	40810	41250	41690	42130	42570	43010
061125-061374	38300	38740	39180	39620	40060	40500	40940	41380	41820	42260	42700	43140
061375-061624	38430	38870	39310	39750	40190	40630	41070	41510	41950	42390	42830	43270
061625-061874	38560	39000	39440	39880	40320	40760	41200	41640	42080	42520	42960	43400
061875-062124	38680	39130	39570	40010	40450	40890	41330	41770	42210	42650	43090	43530
062125-062374	38800	39260	39700	40140	40580	41020	41460	41900	42340	42780	43220	43660
062375-062624	38920	39390	39830	40270	40710	41150	41590	42030	42470	42910	43350	43790
062625-062874	39040	39520	39960	40400	40840	41280	41720	42160	42600	43040	43480	43920
062875-063124	39160	39640	40080	40520	40960	41400	41840	42280	42720	43160	43600	44040
063125-063374	39280	39760	40200	40640	41080	41520	41960	42400	42840	43280	43720	44160
063375-063624	39400	39890	40330	40770	41210	41650	42090	42530	42970	43410	43850	44290
063625-063874	39520	40000	40440	40880	41320	41760	42200	42640	43080	43520	43960	44400
063875-064124	39640	40120	40560	41000	41440	41880	42320	42760	43200	43640	44080	44520
064125-064374	39760	40240	40680	41120	41560	42000	42440	42880	43320	43760	44200	44640
064375-064624	39880	40360	40800	41240	41680	42120	42560	43000	43440	43880	44320	44760
064625-064874	40000	40480	40920	41360	41800	42240	42680	43120	43560	44000	44440	44880
064875-065124	40120	40600	41040	41480	41920	42360	42800	43240	43680	44120	44560	45000
065125-065374	40240	40720	41160	41600	42040	42480	42920	43360	43800	44240	44680	45120
065375-065624	40360	40840	41280	41720	42160	42600	43040	43480	43920	44360	44800	45240
065625-065874	40480	40960	41400	41840	42280	42720	43160	43600	44040	44480	44920	45360
065875-066124	40600	41080	41520	41960	42400	42840	43280	43720	44160	44600	45040	45480
066125-066374	40720	41200	41640	42080	42520	42960	43400	43840	44280	44720	45160	45600
066375-066624	40840	41320	41760	42200	42640	43080	43520	43960	44400	44840	45280	45720
066625-066874	40960	41440	41880	42320	42760	43200	43640	44080	44520	44960	45400	45840
066875-067124	41080	41560	42000	42440	42880	43320	43760	44200	44640	45080	45520	45960
067125-067374	41200	41680	42120	42560	43000	43440	43880	44320	44760	45200	45640	46080
067375-067624	41320	41800	42240	42680	43120	43560	44000	44440	44880	45320	45760	46200
067625-067874	41440	41920	42360	42800	43240	43680	44120	44560	45000	45440	45880	46320
067875-068124	41560	42040	42480	42920	43360	43800	44240	44680	45120	45560	46000	46440
068125-068374	41680	42160	42600	43040	43480	43920	44360	44800	45240	45680	46120	46560
068375-068624	41800	42280	42720	43160	43600	44040	44480	44920	45360	45800	46240	46680
068625-068874	41920	42400	42840	43280	43720	44160	44600	45040	45480	45920	46360	46800
068875-069124	42040	42520	42960	43400	43840	44280	44720	45160	45600	46040	46480	46920
069125-069374	42160	42640	43080	43520	43960	44400	44840	45280	45720	46160	46600	47040
069375-069624	42280	42760	43200	43640	44080	44520	44960	45400	45840	46280	46720	47160
069625-069874	42400	42880	43320	43760	44200	44640	45080	45520	45960	46400	46840	47280

Table D - Expected Family Contribution for a Single Independent Student--1984-85

ADJUSTED GROSS INCOME	NUMBER OF FAMILY MEMBERS											
	1	2	3	4	5	6	7	8	9	10	11	12
069875-070124	42520	43000	43480	43960	44440	44920	45400	45880	46360	46840	47320	47800
070125-070374	42640	43120	43600	44080	44560	45040	45520	46000	46480	46960	47440	47920
070375-070624	42760	43240	43720	44200	44680	45160	45640	46120	46600	47080	47560	48040
070625-070874	42880	43360	43840	44320	44800	45280	45760	46240	46720	47200	47680	48160
070875-071124	43000	43480	43960	44440	44920	45400	45880	46360	46840	47320	47800	48280
071125-071374	43120	43600	44080	44560	45040	45520	46000	46480	46960	47440	47920	48400
071375-071624	43240	43720	44200	44680	45160	45640	46120	46600	47080	47560	48040	48520
071625-071874	43360	43840	44320	44800	45280	45760	46240	46720	47200	47680	48160	48640
071875-072124	43480	43960	44440	44920	45400	45880	46360	46840	47320	47800	48280	48760
072125-072374	43600	44080	44560	45040	45520	46000	46480	46960	47440	47920	48400	48880
072375-072624	43720	44200	44680	45160	45640	46120	46600	47080	47560	48040	48520	49000
072625-072874	43840	44320	44800	45280	45760	46240	46720	47200	47680	48160	48640	49120
072875-073124	43960	44440	44920	45400	45880	46360	46840	47320	47800	48280	48760	49240
073125-073374	44080	44560	45040	45520	46000	46480	46960	47440	47920	48400	48880	49360
073375-073624	44200	44680	45160	45640	46120	46600	47080	47560	48040	48520	49000	49480
073625-073874	44320	44800	45280	45760	46240	46720	47200	47680	48160	48640	49120	49600
073875-074124	44440	44920	45400	45880	46360	46840	47320	47800	48280	48760	49240	49720
074125-074374	44560	45040	45520	46000	46480	46960	47440	47920	48400	48880	49360	49840
074375-074624	44680	45160	45640	46120	46600	47080	47560	48040	48520	49000	49480	49960
074625-074874	44800	45280	45760	46240	46720	47200	47680	48160	48640	49120	49600	50080
074875-075000	44920	45400	45880	46360	46840	47320	47800	48280	48760	49240	49720	50200

OVER \$75,000--MUST USE CAMPUS-BASED APPROVED NEED ANALYSIS SYSTEM

[FR Doc. 84-7286 Filed 3-19-84; 8:45 am]

BILLING CODE 4000-01-C

Federal Register

Tuesday
March 20, 1984

Part IV

Environmental Protection Agency Department of Transportation

Research and Special Programs
Administration

40 CFR Parts 260, 262, and 271

49 CFR Parts 171 and 172

Uniform Hazardous Waste Manifest; Joint
EPA/DOT Rule

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Parts 260, 262, 271

[SWH-FRL 2314-4]

Hazardous Waste Management System: General; Standards for Generators of Hazardous Waste; State Hazardous Waste Program Requirements.

AGENCY: Environmental Protection Agency.

ACTION: Final rule.

SUMMARY: Today, in a joint rulemaking effort, the Environmental Protection Agency (EPA) and the Department of Transportation (DOT) are publishing a Uniform Hazardous Waste Manifest and requiring its use for all regulated shipments of hazardous waste. EPA's Resource Conservation and Recovery Act (RCRA) regulations presently require generators who transport, or offer for transportation, hazardous waste for off-site treatment, storage or disposal to prepare a manifest which must accompany the waste. Although the RCRA regulations require that certain information must appear on the manifest, there has been no federal requirement that a standard manifest form be used.

In the absence of a federal manifest form, numerous States have developed manifest forms and require their use. As a result, many interstate hazardous waste shipments require the preparation of multiple manifests to satisfy the requirements of the States in which the waste travels. This has caused confusion and compliance difficulties. In order to resolve these problems, EPA and DOT proposed a Uniform Hazardous Waste Manifest form on March 4, 1982. Today's joint rulemaking adopts this form, with several modifications in response to comments received on the proposal.

DATE: Final rule effective September 20, 1984.

ADDRESS: The public docket for this final rule (RCRA Section 3002—Uniform Manifest) is located in room S-212, U.S. Environmental Protection Agency, 401 M Street SW., Washington, DC and is available for viewing from 9:00 AM to 4:00 PM, Monday through Friday, excluding holidays. This docket contains, among other material, the economic analyses, background document, and comments discussed in this preamble.

FOR FURTHER INFORMATION CONTACT: Carolyn K. Barley, (202) 382-5235, Office of Solid Wastes (WH-563), U.S.

Environmental Protection Agency, Washington, DC, 20460 or the RCRA Hotline, (800) 424-9346 (in Washington, DC call 382-3000).

For a copy of this regulation, call Your EPA Regional Office.

EPA Region 1, Boston, MA, FTS-223-6883, (617) 223-6883

EPA Region 2, New York, NY, FTS-264-0504, (212) 264-0504

EPA Region 3, Philadelphia, PA, FTS-597-0980, (215) 597-0980

EPA Region 4, Atlanta, GA, FTS-257-3016, (404) 881-3016

EPA Region 5, Chicago, IL, FTS-886-4179, (312) 886-4179

EPA Region 6, Dallas, TX, FTS-729-2645, (214) 767-2645

EPA Region 7, Kansas, MO, FTS-758-6536, (816) 374-6536

EPA Region 8, Denver, CO, FTS-327-4136, (303) 837-4136

EPA Region 9, San Francisco, CA, FTS-454-7472, (415) 974-7472

EPA Region 10, Seattle, WA, FTS-399-8582, (206) 442-8582

SUPPLEMENTARY INFORMATION:

I. OMB Control Number: 2000-0404

II. Authority

This final rule is issued under the authority of sections 2002, 3001, through 3007, 3009, and 3010 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 6912, 6921 through 6927 and 6930.

III. Background

A. History of the Manifest System

On February 26, 1980, EPA established a manifest system to ensure that hazardous waste designated for delivery to an off-site treatment, storage or disposal facility actually reaches its destination. The central element of this system is the "manifest," a control and transport document that accompanies the waste from its point of generation to its point of destination. In this preamble, the phrase "Uniform Manifest system" refers to the entire manifest management scheme, including the manifest forms, preemption of all other forms, form handling, and reporting; while the phrase "Uniform Manifest form" or "Uniform Hazardous Waste Manifest" refers only to the documents required by this rulemaking.

EPA first proposed its manifest system requirements on December 18, 1978 (43 FR 58969). In this proposed rule EPA did not set forth a required form for the manifest, but stated the required information that must accompany the waste. This approach, in the Agency's view, would have allowed the regulated community to adapt its present

practices, notably DOT's requirements for shipping papers,¹ to accommodate the new EPA requirements. For the transportation of hazardous materials, DOT did not require a specific form but required each transport vehicle to carry required information.

A number of commenters on the proposed rule, however, urged the creation of a uniform national manifest form. It was suggested that differing requirements among States might result in confusion and compliance difficulties for the transportation of hazardous waste. Those commenters also stated that a national form would be simpler to use. Other commenters, however, felt that EPA should retain the flexibility of the proposed rule, particularly because of the interest of the States in adapting the manifest requirements to their own needs and interests.

In the final regulation, published February 26, 1980 (45 FR 12722), EPA decided to retain the flexible approach of the proposed regulation. The information requirements of the manifest were revised so that the manifest would, in most situations, be able to serve as the shipping paper required by DOT's hazardous materials transportation regulations. At that time, creation of a single form, satisfying both EPA's and DOT's information requirements, was rejected as too rigid an approach to work satisfactorily for all transportation practices.

During 1981 the Agency received a number of requests to reconsider the decision concerning the development of a single manifest form. As a result of this review, the Agency published a proposal which would require the use of a uniform national manifest. This final regulation and the following discussion is the result of that review and proposed rule published March 4, 1982.

B. Manifest Implementation Problems

Since EPA introduced the federal manifest system, there has been a proliferation of manifests as various States decided to develop and print their own forms. At least 22 States require generators to use specific manifest forms for the transport of hazardous waste. This situation has caused three major problems.

First, the lack of uniformity in State manifest forms has created a burden for

¹ DOT has established regulations that cover EPA's universe of hazardous wastes (49 CFR 171.3 and 171.8) and require the regulated community to use a shipping paper for the transportation of hazardous waste. Prior to this rulemaking, DOT's regulations (49 CFR 172.205) allowed industry to use a shipping paper format of their choosing for the required information.

generators, transporters, and State programs. Currently, a transporter carrying hazardous waste may be required to carry the manifest of each State in which he travels in order to comply with various State manifest requirements. Failure to carry a particular State's manifest may delay or prevent shipments from reaching their destination or subject the transporter to State enforcement action. Under these conditions, a generator may be required to go through the costly and inefficient procedure of filling out several manifest forms with duplicative information in order to ensure that the waste reaches the designated facility. State programs have been burdened in some cases by the need to adapt their administrative and data processing procedures to handle the varying out-of-State manifests which they receive.

Second, the lack of uniform information requirements prevents generators with sites in more than one State from standardizing manifesting procedures. This situation makes it extremely difficult for multistate generators to implement standardized data handling programs for coordinating hazardous waste management information.

Third, enforcement activities have been complicated. "Probable cause" to search a vehicle is easier to prove if investigators are trained with uniform manifest standards.

C. State and Industry Involvement

Recognizing these problems and as a result of continued review and analysis of existing and anticipated State manifest systems, EPA and DOT in November of 1980 asked two organizations representing States and industry to comment on the feasibility and desirability of requiring the use of a Uniform Manifest form. The State group, the Association of State and Territorial Solid Waste Management Officials (ASTSWMO), and the industry group, the Hazardous Materials Advisory Council (HMAC), submitted separate recommendations which were instrumental in the design of the Uniform Manifest form that was proposed jointly by EPA and DOT on March 4, 1982 (47 FR 9336).

During the comment period for the proposed rule, EPA received over 190 comments and DOT received nearly 100 comments from interested parties. (A discussion of the major comments is included in Part IV. *Response to Comments*, of the preamble.) Included in these comments was a letter from a joint task group composed of ASTSWMO and HMAC members suggesting modifications to the EPA and DOT

proposal. EPA and DOT have considered all of the comments in developing this regulation.

D. EPA and DOT Joint Rulemaking

1. *Required use of the uniform hazardous waste manifest.* Since the current problems associated with the manifest involve both DOT and EPA, the Agencies have worked together to devise a regulatory solution. Therefore, this joint final rulemaking contains amendments to the regulations of both agencies. Independently of each other, EPA and DOT are requiring use of the Uniform Manifest form. DOT's regulation is nationally comprehensive and applies directly to all generators and transporters. However, under EPA's regulation, there are three distinct situations.

a. In States Where EPA Runs the Program

EPA's authority to require compliance with a manifest system stems primarily from RCRA section 3002(5), which requires EPA to establish requirements respecting " * * * use of a manifest system and any other reasonable means necessary to assure that all such hazardous waste generated is designated for treatment, storage or disposal in and arrives at * * * permitted facilities. (Also, see section 3003(a)(3) and section 3004.) EPA's regulations implementing this mandate are found in the manifest sections of 40 CFR 262 (Generators), Part 263 (Transporters), Parts 264 and 265 (Facilities), and Part 271 (State Programs).

As proposed, EPA is amending Part 262 to require generators to use the Uniform Hazardous Waste Manifest form. Because the transporter regulations in Part 263 already require transporters to carry a manifest prepared by a generator with each waste shipment, no amendments to the transportation requirements are necessary. The EPA requirements published today apply directly to all generators and transporters in States where the hazardous waste program is run directly by EPA.

b. States With or Applying for Final Authorization

In other States, each State directly regulates hazardous waste activities under its own program approved by EPA on either an interim or final basis, as provided in RCRA Section 3006. In order to be approved by EPA, State programs must include requirements as specified in EPA's requirements for State

programs, 40 CFR Part 271.² For final authorization, State program elements generally need not be identical to the federal requirements, as long as they are equivalent. In the case of the Uniform Hazardous Waste Manifest form, however, EPA is amending 40 CFR 271.10 to provide that States seeking final authorization must require the use of the Uniform Manifest form.

This requirement is necessary to assure compliance with Section 3006(b) of RCRA, which requires that State programs be consistent with the federal program applicable in other States. EPA has already noted the importance of consistency in requirements involving the transportation of wastes, and provided that State programs not meeting the federal requirements for manifests will be deemed inconsistent. (See 40 CFR 271.4 and the preamble discussion at 45 FR 33395 (May 19, 1980).) As explained above, the proliferation of many State-specific manifest forms may hamper the movement of hazardous waste to treatment, storage, or disposal sites.

This situation, where differing requirements between States cause added work and confusion and may hamper the program for hazardous waste treatment, storage and disposal, appears to be precisely what Congress was attempting to avoid when it included the "consistency" requirement in Section 3006. Consequently, EPA has determined that to meet that requirement, all State programs must require the use of the Uniform Hazardous Waste Manifest form in order to receive final authorization from EPA. Consistency also requires that no State with final authorization may require any other manifest or information to accompany the waste shipment, as discussed below.

As provided by today's amendment to 40 CFR 271.6(d), States with final authorization must require the use of the Uniform Manifest. States authorized before the effective date of this requirement are required to revise their programs as provided by 40 CFR 271.21. EPA has determined that State adoption of the Uniform Manifest is not a "substantial" revision under 40 CFR 271.21, since, for the reasons described in the next section of this preamble, the manifest form will be effective in all States regardless of their authorization status. After completing the necessary revisions to the State's program, the

²These requirements were originally published as part of 40 CFR Part 123. They have recently been recodified as 40 CFR Part 271, [48 FR 14146, April 1, 1983]. Also see technical corrections at 48 FR 30113, June 30, 1983.

State Director must submit a letter to the Regional Administrator describing those changes. When statutory or regulatory modifications have been made, copies of those modifications must also be submitted. Copies of the Uniform Hazardous Waste Manifest form need only be submitted when the State preprints information on the form.

c. In States With Interim Authorization

In the case of States with interim authorization, the Uniform Manifest will not be required by EPA authority but rather by DOT authority. As we noted previously, States with interim authorization are not required to amend their regulations to be consistent with this final rulemaking. However, prior to receiving final authorization, these States will need to demonstrate compliance with the requirements of the amendments to 40 CFR 271 published today. In order to give States a definite and unchanging body of regulations to meet for the relatively short period of interim authorization, EPA requires States applying for interim authorization to meet only those requirements promulgated before the announcement date of the final component of the Phase II, interim authorization requirements (see 40 CFR 271.122(d)(2)). Since the final component (Component C) was announced on July 26, 1982, and these Uniform Manifest regulations will be promulgated after that date, the Uniform Manifest regulations will not be applicable in States with interim authorization as a result of EPA jurisdiction. (DOT will have jurisdiction in EPA interim authorized States (see below).) This situation is temporary, however, since all interim authorizations will expire in January 1985. At that time, States with interim authorization must meet the requirements for final authorization or lose their authorization altogether, with EPA taking over the implementation of their hazardous waste programs.

In any case, the absence of an EPA requirement in States with interim authorization will have no practical effect since DOT's regulations impose the identical requirements and apply universally. DOT is today amending its regulations to require all shippers and carriers of hazardous waste to use the Uniform Manifest system. These DOT amendments operate independently of RCRA requirements and will be applicable in all States, regardless of State authorization status.

DOT's authority to require use of the Uniform Manifest stems primarily from the Hazardous Materials Transportation Act (HMTA), which regulates the movement of hazardous materials, 49

U.S.C. 1801 *et seq.* DOT's implementing regulations are found in 49 CFR Parts 171 and 172. As proposed, DOT is amending its Hazardous Materials Regulations to require that shippers and carriers of hazardous waste, both intra- and interstate, comply with EPA's amendments concerning the use of the Uniform Hazardous Waste Manifest form.

2. *Restrictions on additional State manifest or information requirements.* Under limited circumstances, States may impose their own manifest information or management requirements. EPA's authority to allow or restrict such additional State requirements in authorized States involves the coordination of two statutory provisions: Section 3006, which requires approved State programs to be "consistent" with the federal program, and Section 3009, which reserves to States the latitude to be more stringent. In balancing these two provisions, EPA allows a State to impose more stringent requirements, except in those cases where the Agency has determined that consistency requires that State programs conform precisely to the federal requirement. Consequently, EPA's regulations promulgated today do not prohibit authorized States from imposing requirements that provide more rigorous or comprehensive control of hazardous waste activities than do EPA's regulations, such as requirements that handlers of hazardous waste send copies of completed manifests to State Agencies for tracking purposes. Based on the need for consistency, however, States with final authorization must use the Uniform Manifest form, and may not require any additional information to accompany the waste shipment.

EPA's regulations do not prohibit States without final authorization (either interim authorized States or unauthorized States) from imposing more stringent manifest requirements. However, under the authority of Section 112 of the HMTA (49 U.S.C. 1811(a)), DOT's regulations will prohibit those States from requiring separate State manifests or other information to accompany waste shipments. Section 112 of the HMTA expressly preempts any State or local requirement which is inconsistent with that Act or HMTA regulations. This provision is fully supported by Article I, Section 8 of the U.S. Constitution, which grants Congress the authority to regulate interstate commerce. DOT believes that national uniformity in the transportation of hazardous waste is necessary in order to avoid a patchwork of differing State requirements. Therefore, DOT is

clarifying elsewhere in today's **Federal Register** that any State law or regulation requiring a different or additional manifest (other than the Uniform Manifest form) would be inconsistent with the Hazardous Materials Regulations and, therefore, prohibited.

Although no other form may be required by a State to accompany a waste shipment, EPA and DOT have modified the Uniform Manifest form to allow the entry of certain optional State information items in addition to the federally-required items. Generators may use that section of the form to satisfy the specified State information requirements. In this way, EPA expects that both States and generators will benefit since the additional State information requirements can be met on the Uniform Manifest form while reducing or eliminating the need for generators to prepare duplicative reports on each shipment.

States may require generators to complete any of the information items included in the optional State section of the Uniform Manifest prior to the transportation of hazardous waste, and may require owners or operators of facilities to complete any of these State information items as a condition of the acceptance of waste at treatment, storage or disposal (TSD) facilities. These requirements may be imposed both by the State in which the generator is located and the State in which the designated facility is located, but may not be required by States through which the waste shipment travels. The Agency realizes that optional information required by the generator State will accompany the shipment, but EPA does not believe that this additional information can be justified as mandatory during transportation based on the transportation safety and tracking mandates RCRA places on the manifest. Therefore, States are prohibited from applying enforcement sanctions on the transporter during the transportation of hazardous waste for any failure of the form to show optional State information entries. States may hold transporters responsible only for ensuring that the information included in the federally-required portion of the Uniform Manifest form accompanies the shipment. However, States could hold the generator responsible for failure to comply with its manifest information requirements.

Finally, States may require generators or TSD facilities to send other information related to the shipment under separate cover (e.g., by mail), as long as this does not interfere with the actual movement of the waste. Such

requirements would not be "inconsistent" for purposes of the HMTA, as long as they: (a) Did not conflict with federal requirements or otherwise unduly burden commerce; and (b) as long as such requirements were not so numerous that their cumulative effect was to burden commerce. The optional State information items on the Uniform Manifest form, it is hoped, will reduce the need for such additional State reporting. Further discussion of DOT's authority to preempt inconsistent State regulations is provided in the preamble to the DOT regulations.

E. Implementation Date

Use of the Uniform Hazardous Waste Manifest form will be required for all transportation of hazardous waste in all States after September 20, 1984. Based upon the comments received, EPA and DOT believe that this time frame will allow States and the regulated community sufficient time to implement the Uniform Manifest form. Members of the regulated community who ship hazardous waste only in States that currently do not require the use of a specific manifest form may use the Uniform Manifest forms immediately.

As mentioned, the Uniform Hazardous Waste Manifest system requirements are applicable in all States on September 20, 1984, regardless of the State's authorization status under RCRA. The Agency believes that a uniform effective date is an important part of the Uniform Manifest system. In States receiving final authorization after the effective date of this rule and in EPA administered States without interim authorization, this is achieved by EPA's regulations. In States with interim authorization and States that receive final authorization prior to the effective date of this rule, this is achieved by DOT's regulations. Today's amendments to the DOT's Hazardous Materials Regulations reference the EPA Uniform Hazardous Waste Manifest form and require its use for all regulated off-site transportation of hazardous waste.

IV. Response to Comments

Five major issues were raised in the comment letters received by the Agency on the March 4, 1982, proposal. These issues are:

1. Should EPA and DOT finalize the Uniform Manifest system proposal?
2. Should the Uniform Manifest form contain space for additional State information?
3. How will the Uniform Manifest final rule apply to generators who are shipping State-regulated hazardous waste that is not regulated under federal law?

4. Should States have the right to require generators to use only a Uniform Manifest form printed by the State?

5. From what source should generators obtain copies of the blank Uniform Manifest form (copy acquisition hierarchy)?

Other issues raised by commenters are addressed in the "Background Document—Uniform Hazardous Waste Manifest."

Issue 1. Should EPA and DOT finalize the Uniform Manifest system proposal?

Almost all commenters supported the concept of a Uniform Manifest system. The main point of contention among the commenters was how the concept should be implemented. EPA's position on comments associated with implementation is discussed in issues 2 through 5.

The Agency's rulemaking docket for the March 4, 1982, proposal includes a small number of letters opposing a Uniform Manifest form. Industry commenters against the proposed Uniform Manifest form typically were those whose who use their own company-designed form, since they operate only in States that do not require a specific manifest form. They argue that the EPA and DOT proposals for a Uniform Manifest form limit the ability of the generator to voluntarily include additional information useful to their waste management programs. They suggested that generators should have the option of using a form of their own design, provided it contains all required information.

A State commenter proposed that the Uniform Manifest form only be required for interstate shipments, thereby allowing States to require use of their existing manifest form for intrastate shipments. The commenter suggested that this would save the State the expense of redesigning its data management system and would ensure that State-required information is filed for intrastate shipments.

In response to these comments, the Agency points out that the final Uniform Hazardous Waste Manifest form contains additional space that generators and States may use to record useful information. (Refer to Issue 2 of this part of the preamble for a more complete discussion of the use of this space.) Furthermore, a Uniform Manifest form is needed for both interstate and intrastate shipments since the hazardous waste program is a national effort to effectively manage all wastes determined to be hazardous under RCRA. Both RCRA and HMTA call for consistency among federal and State

programs, with special emphasis on the transportation of wastes. Finally, national applicability is necessary to deal with the problems discussed in this preamble. The many different State manifest forms have contributed to the current lack of standardized administrative and data management systems among generators and State programs and hamper enforcement programs. Additional discussion of the applicability of DOT's regulations involving inter- and intrastate shipments is contained in the DOT rulemaking published elsewhere in today's Federal Register.

While EPA and DOT recognize the cost factors associated with changing data management systems to comply with the new federal form, it is expected that this one-time changeover cost is far outweighed by the benefits of using the Uniform Manifest form. An Agency economic analysis (see the Docket on RCRA Section 3002 Uniform Manifest) indicates that the Nation should realize net cost benefits if 15,000 or two percent or more of the shipments are interstate. At this point the annual cost of this rulemaking equals the annual savings. Although one State indicated that only two percent of their waste moved interstate, other States indicated most or all of their hazardous waste moved interstate. EPA estimates that more than two percent of the nation's hazardous waste shipments move interstate. Thus, the fact that there is a cost reduction favors the use of the Uniform Manifest system.

A problem which generators and transporters viewed as more serious is the multiple State manifest requirements when shipping wastes interstate. The Docket on the Uniform Hazardous Waste Manifest contains accounts of generators who complained of being required to complete as many as twelve manifests to transport one interstate shipment of hazardous waste to its destination.

Waste generators felt that when they must prepare several State-required forms for multistate movements and truck drivers must determine if the State-required forms are completed properly, shipping hazardous wastes becomes extremely complicated without a related improvement in environmental protection. Several generators complained of having to include their own DOT shipping paper along with the shipment, because certain State-required forms do not satisfy DOT requirements. These administratively burdensome and duplicative requirements are costly to generators.

According to commenters, the proliferation of State-required manifests has caused considerable confusion and an inefficient utilization of resources for multistate corporations. Industry commenters stated that one of the greatest impediments to compliance with complex regulatory requirements is the difficulty of assuring that operating personnel are adequately trained. The requirement to complete different State-required manifest forms complicates shipping procedures for these personnel which, in some instances, has led to technical noncompliance with the various State manifest requirements.

Multistate corporations also believed they were prevented from easily implementing corporate-wide hazardous waste data management systems due to the lack of a standard document. This problem also besets State hazardous waste programs that desire to track and collect waste shipment data using other States' manifest forms.

EPA and DOT believe that the proliferation of manifest requirements has caused an unnecessary burden on generators and transporters. The EPA-DOT Uniform Hazardous Waste Manifest system as outlined in this final rule will ameliorate this situation in the following ways:

First and foremost, DOT's authority will be used to preempt all State manifest requirements so that under no circumstances will more than one manifest be required per shipment. The Uniform Hazardous Waste Manifest system precludes a variety of complex and inconsistent forms now in use and, therefore, reduces unnecessary and duplicative administrative costs for generators. At the same time, the uniform Hazardous Waste Manifest system permits all the information requirements of a DOT shipping paper to be satisfied, thereby eliminating the need to prepare a separate shipping paper.

Second, eliminating conflicting manifest requirements aids multistate corporations by standardizing form completion procedures and by simplifying data entry for hazardous waste information management systems. For transporters, the Uniform Manifest system preempts laws requiring them to carry each particular State's manifest form. State Agencies will no longer have to use complicated data systems to handle a variety of manifest forms. Finally, from a transportation safety and enforcement viewpoint, this rule provides a single document to enhance uniform tracking and enforcement.

Several commenters suggested that the Uniform Manifest also be designed to be used as a Bill of Lading which they

believed was required by the Interstate Commerce Commission (ICC) to accompany most commercial shipments. Prior to July 1982, the ICC had indicated that all waste shipments would require a Bill of Lading. Since that time, the ICC has ruled that " * * * hazardous waste of no economic value destined for disposal (other than nuclear or radioactive waste) do not constitute 'property' within the meaning of 49 U.S.C. 10521. Accordingly, the Commission does not have jurisdiction over the for-hire transportation by motor carriers of such wastes" (47 FR 29403, July 6, 1982). Therefore, the Agency does not expect that ICC Bill of Lading requirements will apply to hazardous waste shipments destined for treatment, storage or disposal facilities. In the event a shipment must be accompanied by the Manifest and a Bill of Lading and if the requirements of both documents cannot be met by the required or optional information on the Uniform Manifest, then it would be necessary for two separate documents to accompany the shipment.

Issue 2. Should the Uniform Manifest form contain space for additional State Information?

The Uniform Hazardous Waste Manifest form provides space for all information needed to satisfy EPA and DOT manifest requirements. In the proposed rule, EPA solicited comments on whether the Uniform Manifest form should also contain space for additional State-required information beyond the federally-required items. (See 47 FR 9338, March 4, 1982.) State commenters were overwhelmingly in favor of this suggestion. In fact, EPA was informed that in the event specific State optional informational items were not included on the final Uniform Hazardous Waste Manifest form, some States would require generators and facilities to send detailed information regarding each individual waste shipment to the State under separate cover on the State's own form. Much of this information could repeat, in a different format, information already supplied on the Uniform Hazardous Waste Manifest form. EPA has taken these concerns into account and provided for certain additional State-required information on the form. The Agency believes that States will not need to require additional hazardous waste reports from generators relative to waste shipments.

As previously discussed, States are not precluded from setting up another system of forms to solicit information not included on the Uniform Manifest form, as long as the system does not interfere with the actual shipment of

wastes. While transporters would not be required to carry these forms, generators and treatment, storage and disposal facility operators could still be required to use them. Some commenters suggested that EPA prohibit States from requiring additional information in this manner. However, Section 3009 of RCRA (discussed earlier in this preamble) clearly allows States to impose requirements which are more stringent than the federal requirements unless the requirements would interfere with the consistency of State programs required by § 3006. At this time, EPA does not believe that allowing States to require additional information in this manner will interfere with the consistency among programs.

The possibility that States may require additional reporting prompted one commenter to suggest that while the proposal may provide relief to the transporter, unless EPA were willing to modify the form to substantially meet the needs of the various State Agencies, there would be no relief for generators and treatment, storage, and disposal facility operators. In fact, increased cost and confusion could result, in his opinion, as various States imposed additional requirements which could not be met through the proposed Uniform Federal Manifest system. The commenter suggested that it would be less confusing and less costly to have optional information spaces included on the Uniform National Manifest form.

Some commenters objected to the mandatory reporting of any information on the form other than federally required information as a violation of the "uniform manifest" concept. However, when the possibility of separate State-required reports was raised with these commenters, they generally agreed that it would be preferable to allow States to require certain, limited information to be added, if that would preclude the need for States to require separate reports as long as only one document is required for any shipment.

EPA, in consultation with DOT, has worked to develop a Uniform Manifest form that substantially meets the information needs suggested by the States through the inclusion of entries for particular items of information that may be required at the option of a State.

A few commenters stated that the inclusion of an optional information space would give States a "blank check" to solicit information from generators. In response to these comments, EPA designed the form to restrict the optional information States may require. The specific State-required information

items that may be included on the Uniform Manifest are discussed in detail in Part V.A.2. *Optional State Information Requirements*, of this preamble.

Although none of the items included as optional State-required information are required by federal law, State law may require that some or all of these specific items be reported on the Manifest and sent directly by the generator or the owner or operator of a TSD facility to that State. However, as discussed above, States may not require that any information other than the federally-required items accompany shipments of hazardous waste. It is permissible for the forms carried by the transporter to include such optional information, but States may not impose enforcement sanctions against transporters if the Manifest fails to include these items. Further, States through which hazardous waste shipments pass are not allowed to place additional information requirements on the transporter as a condition of transportation.

In some instances, both the State in which the waste is generated and the State in which the TSD facility is located may require the completion of specific information items included in the optional State section of the Manifest. In these instances, the generator may be required to comply with both requirements, including the use of both States' identification numbers. The space provided in the optional State section should be adequate to fulfill such requirements. EPA does not anticipate that this situation will occur very often and urges the States to coordinate their information needs. A State through which hazardous waste passes, however, may not require information to be entered in these spaces as a condition of transportation through that State.

The addition of optional, State-required information items on the form enables States to obtain necessary data but retains the basic uniformity of the Manifest. Since individual State requirements for the regulated community will remain in place, generators, transporters, and TSD facility operators must continue to comply with them. For example, generators must still know individual State requirements for treatment, storage, and disposal sites located in other States. A Uniform Hazardous Waste Manifest form containing space for required State information should enable States to ensure compliance with its information requirements, without

having to develop a whole series of new State reporting forms. The Agency expects that the final result will be that generators in general will be required to complete only one document: the Uniform Hazardous Waste Manifest.

Issue 3. How will the Uniform Manifest system final rule apply to generators who ship State-regulated hazardous wastes that are not regulated under Federal law?

EPA received comments requesting an explicit clarification in this rule on the effect of the Uniform Hazardous Waste Manifest form and system on wastes defined as hazardous by either the generator's State or the consignment State, but not defined as hazardous by EPA or DOT. A similar situation arises when States require generators to manifest shipments of hazardous waste that qualify for a federal small quantity exemption or wastes that are destined to be recycled, for which federal regulations do not require a manifest.

The Uniform Hazardous Waste Manifest form has been designed to allow the listing of both federally-regulated wastes and wastes regulated solely by the States. In order to distinguish between federally-regulated wastes and other wastes, as required by DOT regulations (49 CFR 172.201(a)(1)), generators can add (or States may overprint on the form) a hazardous materials (HM) column in the space for U.S. DOT Description. When a waste shipment consists of both federally-regulated materials and State-regulated wastes, the HM column, if added, must be checked or marked for only those line entries which are regulated under federal law as hazardous wastes or hazardous materials.

In addition to being used for shipments of RCRA hazardous waste, the Uniform Manifest may also be used for shipments of DOT regulated hazardous materials, or shipments of State-regulated wastes, or any combination of these regulated substances. This rulemaking does not preclude generators from adding a HM column or complying with any of the other DOT requirements for shipping papers found in 49 CFR 172.201.

Issue 4. Should States have the right to require generators to use only a Uniform Manifest form printed by a State?

EPA also solicited comments on the ASTSWMO recommendation that the States be allowed to require generators to use specific State forms. (See 47 FR 9339, March 4, 1982.) ASTSWMO advocated expansion of the top margin of the Uniform Manifest form to provide room for States to print their name and

State-assigned document number. The State organization asserted that State document numbers are necessary for the effective use of any automated tracking system.

Some commenters (in particular, members of the regulated community) objected to this recommendation, stating that it is more cost-effective and efficient for generators to print their own manifest forms. In addition, commenters were concerned that the implementation of such a regulation might require generators to complete multiple manifests for interstate shipments.

EPA and DOT recognize the merit of both positions, and this rule establishes a scheme for determining who supplies the Uniform Manifest form. The top margin of the first page of the form has been enlarged to allow for pre-printing of information. In order to retain the advantages of a uniform manifest, however, EPA must ensure that only one uniform manifest is required for each shipment and, therefore, has established a hierarchy for acquisition of blank manifest forms. This acquisition hierarchy is discussed in the section below.

Issue 5. From what source should generators obtain copies of the blank Uniform Manifest form (the copy acquisition hierarchy)?

Although the Agency is prescribing the use of the Uniform Hazardous Waste Manifest form, EPA does not intend to print and supply the form. This allows States, if they wish, to print and supply the form, in which case the States can print their own unique numbers on the form to aid in tracking the hazardous waste shipments. For generators located in one State but disposing of wastes in another, it is necessary to determine from which State they must obtain the Uniform Manifest form. Accordingly, EPA is specifying a hierarchy for acquisition of blank manifest forms in these regulations.

In its March 4, 1982, proposal, EPA indicated that it intended to allow States to print and supply the Manifest form and requested comments on how this could effectively be arranged. EPA received relatively few comments as to what acquisition hierarchy would be preferable. One commenter stated that the generator should be required to obtain the form from the consignment (receiving) State if that State printed and supplied the form. A few other commenters stated that the generator should obtain the form from the

generator State if that State printed and supplied the form.

The Agency, however, received a number of comments on a different but related issue that affects the decision on what acquisition hierarchy should be established. This issue involved the desire of several States to ensure that they receive copies of completed manifests from all generators that dispose of wastes in their State, especially from those generators located out-of-State. These States have systems for tracking the movement of hazardous waste that rely on receipt from generators of copies of each manifest prepared. They expressed the concern that the Uniform Manifest requirements would preclude them from requiring out-of-State generators to submit copies of the Manifest for each shipment into that State, and requested that EPA alter its regulations to impose such a requirement.

After careful consideration of these comments and concerns, EPA has determined that it is not necessary to impose a Federal requirement that generators submit copies of each completed manifest form to States or to EPA. EPA believes that the current federal manifest reporting system, which requires submission of Exception Reports by generators and Discrepancy Reports by TSD facility operators is adequate and effective to track hazardous waste shipments.

States are free, however, to impose a more stringent system that could involve the submission by generators of copies of every completed manifest form. This authority is reserved to the States by Section 3009 of RCRA, which permits any State to impose more stringent requirements, as long as those requirements meet the standard set forth in Section 3006 that they not be "inconsistent" with the Federal requirements. EPA does not believe that such requirements would be inconsistent with the Federal manifest system.

In addition, it is well settled that a State can assert jurisdiction over persons not residing in that State if such persons maintain "minimum contacts" with that State. See *International Shoe Co. v. Washington*, 326 U.S. 310 (1945). The fact that a generator disposes of a waste in that State would appear to satisfy this requirement of "minimal contacts." States can enact, and most States currently have among their laws, "long-arm" statutes by which they can assert such jurisdiction and impose such requirements.

Finally, promulgation of the Uniform Hazardous Waste Manifest system requirements does not affect this

independent State authority. The Uniform Manifest regulation simply requires that the manifest information already required by EPA regulations be provided on a nationally uniform form and describes that form. It does not speak to or affect the reporting requirements placed by States on generators under the manifest system. In the face of the independent State authority discussed above, EPA does not believe it is necessary for the Federal government to impose or enforce the requirements of those States that wish to receive manifest copies from out-of-State generators.

EPA has, however, considered the legitimate interest of some States in imposing a different reporting system, that may require submission of copies of completed manifests. As a practical matter, States need to be able to inform out-of-State generators of the existence of manifest copy submission requirements. Although, this could be accomplished by other means, a convenient method would be to print a notice of such requirements on the actual manifest form to be used by generators. For this method to be effective, generators must be required to obtain the manifest forms they use from the State that will be receiving the waste (the consignment State).

In developing the final acquisition hierarchy promulgated today, EPA considered all the comments described above, and evaluated the advantages and disadvantages of alternative approaches. Requiring generators to obtain the form from the generator State would probably be convenient for the generators. This approach might make it more difficult, however, for States to which the wastes are being delivered to track the waste shipments from the point of generation to the treatment, storage, or disposal site than if those consignment States could supply the form with their own unique State tracking numbers and reporting instructions.

Conversely, a system that required acquisition of the form from consignment States would make it easier for those States to implement and enforce their own tracking and reporting systems. Requiring form acquisition from the consignment State would enable States that wish to require submission of copies of all completed manifests to inform out-of-State generators of this requirement by printing the information on the form. In addition, as permitted by § 271.10(h)(1), the consignment State can print on each form a State manifest document number that may be helpful in tracking the

manifest in the State's own tracking system.

In choosing between these two approaches, EPA gave great weight to RCRA's emphasis on the role of the States in implementing the hazardous waste program. Both Sections 3006 and 3009 recognize the right of the States to impose requirements more stringent than the Federal requirements. EPA believes, therefore, that it is appropriate to consider the States' interest in designing their own unique procedures beyond the Federal requirements when establishing regulations. In this case, EPA believes that a State's interest in devising a regulatory program to assure proper treatment, storage and disposal of waste within its borders outweighs the advantages to generators in obtaining blank manifest forms from a single source.

Therefore, EPA is promulgating a form acquisition hierarchy that requires generators to obtain the blank manifest form from the consignment State if that State supplies the form and requires its use; if not, then from the generator State if that State supplies the form and requires its use; and if not, the generator may obtain the form from any source.

While this rule establishes a procedure for the acquisition of blank manifest forms, it does not limit the ability of the generator State or the consignment State to require submission of completed forms by the generator or facility owner or operators. For example, generators may be required by regulations of both the generator State and the consignment State to submit completed copies of the Manifest for each shipment.

Further, as discussed in Issue 2, both the generator State and the consignment State may establish specific informational requirements in the optional State section of the Manifest form. For example, a generator who obtains copy of the blank Manifest form from the consignment State may still be required to comply with his State's manifest informational requirements.

For international shipments, the regulations promulgated today require the manifest form of the generator's State to accompany export shipments of hazardous waste if that State supplies the form and requires its use. In the event the generator's State does not supply the form, the export shipment may be accompanied by a Uniform Manifest form obtained from any source. This same logic also applies to import shipments—manifest forms obtained from the consignment State must accompany the shipment if that State supplies and requires the use of its own

Uniform Hazardous Waste Manifest form. If the consignment State does not distribute the form, a Uniform Manifest form obtained from any source may be used.

V. The Uniform Hazardous Waste Manifest

EPA, with DOT's agreement, has designed the Uniform Hazardous Waste Manifest form and system with the following features:

A. Information Requirements

EPA received divergent comments on the inclusion of many information items on the manifest form. The primary comments are discussed in the following section of this preamble and the other comments are discussed in the Background Documents for this rule-making.

The information items contained on the Uniform Hazardous Waste Manifest form (EPA form 8700-22 and the Continuation Sheet, form 8700-22A) can be categorized into federally-required information and optional State-required information. The federal requirements are examined first.

1. *Federal Information Requirements.* EPA is not increasing its information reporting requirements in this final rulemaking. All federally-required information on the Uniform Manifest form is currently required by EPA's hazardous waste regulations. On March 4, 1982, the Agency proposed the inclusion of one new federal information requirement, the telephone number of the treatment, storage, or disposal facility. The Agency decided not to include that requirement in this final rule. EPA believes that transporters can obtain that information during the course of shipment by contacting the dispatcher or the waste generator. The Agency believes emergency response information, should be obtained from the generator—not the TSD facility. Therefore, while the generator's telephone number remains a federal requirement, the TSD facility's telephone number is not a required item. (As discussed below, States may require the facility's telephone number as an optional item on the form.)

In order to clarify the required federal information items on the manifest form and to discuss comments received on those items, this section presents a review of those items.

(a) Generator Requirements:

Manifest Document Number—The manifest document number consists of the generator's U.S. EPA twelve digit identification number plus a unique five digit number, allowing each generating site to manifest up to 100,000 shipments

a year without repeating a document number. In the proposed rule, EPA defined the five digit number as a "sequentially increasing number." The definition has been changed in this final rule in order to dispel the impression that generators would have to use manifests in a sequential manner. However, the generator must ensure the uniqueness of the document number for each shipment from each site during a calendar year.

Page Number—Generators are required to identify on the first page of a manifest the total number of pages in that manifest i.e., the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any. For example, if the manifest consists of only one page (EPA Form 8700-22), and there is no Continuation Sheet (EPA Form 8700-22A), then the correct entry would be "Page 1 of 1." If the manifest consists of one front page (EPA Form 8700-22), and one Continuation Sheet (EPA Form 8700-22A), then the correct entry would be "Page 1 of 2."

Generator Name and Address—The address remains the mailing address of the generator since the TSD facility must return a completed copy of the manifest promptly to the generator. Comments were received suggesting that the address reflect the site of waste generation. EPA does not believe it is necessary to include a site address on the manifest form because the EPA identification number provides this information. The generator, then, must enter the mailing address of the location that will administer the returning manifest forms (e.g., billing office, corporate headquarters, or the site of generation).

Generator's Telephone Number—This must be the number of a person who can provide information about the shipment in the event of an emergency.

Transporter #1 Company Name and U.S. EPA ID Number—The name and U.S. EPA twelve digit identification number of the initial transporter of the waste must be entered.

Transporter #2 Company Name and U.S. EPA ID Number—The name and U.S. EPA twelve digit identification number of the second transporter, if applicable, must be entered. Space for additional transporters is provided on the Continuation Sheet for entry in the order they are used.

Designated Facility Name, Site Address, and U.S. EPA ID Number—The generator must enter the TSD facility name and site address plus the facility's U.S. EPA twelve digit identification number. The site address is required to

inform the transporter where the shipment must be delivered.

Alternate Facility—A number of commenters suggested that the form should provide space for generators to list an alternate facility name and address, as allowed in 40 CFR 262.20. Since this item is not required of generators, the Agency has decided not to provide a specifically designated space for it. If an alternate facility is designated, it must be identified in the item marked "Special Handling Instructions and Additional Information."

Container Number and Type—The generator must indicate the number of containers and using the abbreviations in Table I of the form instructions, the type of containers for each waste shipped. This final rule corrects the abbreviation for Cargo Tanks/Tank Trucks (TT) and Tank Cars (TC). The abbreviation for Portable Tanks (TP) is also changed. In response to comments, a new abbreviation (DT) has been added for dump trucks. Some commenters suggested adding an abbreviation for metal boxes such as roll-offs or dumpsters. The abbreviation CM was included in the proposed rule for metal boxes, cartons, cases, and is intended to include roll-offs or dumpsters. This has been clarified in the form instructions.

U.S. DOT Description (Including: Proper Shipping Name, Hazard Class, and ID Number)—The generator must complete this section consistent with DOT's regulations at 49 CFR Part 172.201. As allowed by those regulations, a Hazardous Materials (HM) column may be added by the generator or the State to distinguish hazardous materials as defined by federal regulations from other wastes (see Part IV, *Response to Comments*, Issue 3 above). This permits the generator to list materials which are non-hazardous, or hazardous by State definition only, in the DOT Description space as long as the HM column is checked only for federally-regulated hazardous materials (including federally-regulated hazardous waste).

In response to comments, the heading for the Proper U.S. DOT Description has also been modified to include the DOT Identification Number as part of the shipping description. The generator must enter the assigned DOT Identification Number consisting of a four digit number preceded by the UN (United Nations) or NA (North America) designation as appropriate for each federally regulated hazardous material or waste listed. (See 49 CFR 172.101 and 172.102.) The generator must also

enter the total quantity and unit of measure (volume or weight) of the shipment. Many commenters requested clarification as to whether the weight is a measurement of the net or gross quantity (i.e., whether the weight of the container should be included in the measurement). EPA and DOT have determined that the measurement must be gross weight when the waste container is to be discarded (e.g., a drum containing waste) and net weight when it is not discarded (e.g., bulk shipments by tank truck). Another issue centering on weight or volume classification is the requirement of various States that hazardous waste shipments be determined by a specific measurement, either weight or volume. The joint HMA and ASTSWMO proposal suggests that the Uniform Manifest be designed to allow the generator to include both weight and volume. Thus, while today's rule does not require that two units of measure be specified for any waste listing, the Uniform Manifest form provides space for both weight and volume.

One commenter asked if fractions could be used in the quantity description (see EPA Form 8700-22, Item 13). EPA does not believe that the quantity description should include fractions. Rather, the Agency believes that the quantity description should be the most accurate possible without using fractions or decimals. For example, if a shipment weighs 18,500 pounds, the correct quantity description would be 18,500 pounds, not 9.25 tons nor 9¼ tons.

Special Handling Instructions and Additional Information.—As proposed, this section may be used by the generator for a number of purposes. Some commenters have advocated that the ICC Bill of Lading and/or DOT placarding information be allowed on the Uniform Manifest form. The Special Handling Instructions space (or the reverse side of the form) may be used for this information, emergency response telephone numbers, or any other information the generator wishes to include about the shipment. If alternate facility information (i.e., name, address, and EPA ID number) or the conditions for international shipments (i.e., point of departure, date of departure, and transporter's signature) are included, they must appear in this space. However, States are not permitted to require any information within this space or on the back of the form as a condition of transportation. In accordance with a joint recommendation by ASTSWMO and HMA, certain information needs of the States can be accommodated in the

State information spaces discussed below.

Generator Certification.—The generator is required to read and sign the certification statement at the initiation of each waste shipment. The wording of the certification statement has been changed to ensure its applicability for use with all modes of transportation (i.e., highway, railroad, water, and air) and for national and international shipments. DOT supplied EPA with the new wording as a result of changes they have made based on the recommendations of a United Nations committee of experts on the transport of dangerous goods. States seeking final authorization must submit supplemental wording they propose to add to this certification (e.g., "and the laws/regulations of the State regulations of the State of (name of State)" as part of their application for authorization for approval by EPA.

International Shipments.—Generators are required to list for each export shipment the point of departure from the United States. This information must be placed in the item labeled "Special Handling Instructions and Additional Information" on EPA Form 8700-22 (first page).

(b) Transporter Requirements:

Acknowledgment of Acceptance.—A transporter is required to acknowledge on the Manifest the acceptance of the waste shipment by signing the Manifest and recording the date of acceptance.

International Shipments.—Transporters who take waste identified on the Manifest out of the jurisdiction of the United States must enter the date that the waste was exported and sign the Manifest indicating that the waste left the United States on that date. This information must be placed in the item labeled "Special Handling Instructions and Additional Information" on EPA form 8700-22.

(c) Treatment, Storage and Disposal Facility Requirements:

Discrepancy Indication Space.—As proposed, the Discrepancy Indication Space must be used for recording significant discrepancies between the waste described on the Manifest and the waste actually received by the designated facility. (See 40 CFR § 264.72 and § 265.72.) Several commenters requested clarification of where to send discrepancy reports. EPA regulations require owners and operators of TSD facilities located in States where EPA administers the hazardous waste program to send reports to the appropriate EPA Regional Administrator. Owners and operators of TSD facilities located in States with

interim or final authorization are advised that individual State programs require discrepancy reports and that they should review the specific State regulations on this subject for further information.

Acknowledgment of Acceptance.—The owner or operator of the TSD facility is required to acknowledge the acceptance of the waste shipment by signing the manifest and recording the date of acceptance.

2. Optional State Information Requirements.—As previously discussed, the Uniform Manifest form includes optional information spaces to substantially meet basic requirements of the States. This should eliminate or reduce the need for additional State reporting requirements. The optional State information items on the Uniform Manifest form were selected on the basis of comments received, including the recommendations of the HMA and ASTSWMO joint task group. The specifically identified items are generally those used most frequently by the States. Many members of the regulated community joined the task group in recommending that certain of these additional items be included on the form.

This section describes the optional State/required information items included on the Uniform Manifest form.

State Manifest Document Number.—In response to comments, space has been provided for a State manifest document number used by some States to track waste shipments. Typically, this number will be preprinted by the State issuing the manifest and, therefore, is not an information burden on generators.

State Identification Numbers.—These spaces are provided for generators', transporters', and treatment, storage and disposal facilities' State identification numbers. These numbers may include registration, permit, disposal plan, or other State identification numbers.

Telephone Numbers.—Space has been provided for the telephone numbers of two transporters and the TSD facility. (The generator's telephone number is a federally-required information item, as mentioned above.)

Waste Numbers.—This space is provided for the entry of either EPA or State hazardous waste numbers. (Space for waste numbers was included as an optional item on the Manifest form proposed on March 4, 1982.)

Additional Waste Description Space.—Some industry commenters requested additional space in which to list additional information about their wastes. HMA and ASTSWMO suggested expanding the Special

Handling Instructions and Additional Information area of the proposed Uniform Manifest form to allow for "certain information about the type and nature of the waste." EPA and DOT are aware that many States want to request additional information not required by EPA or DOT as part of the proper shipping description from the generator concerning hazardous waste listings. In response to these suggestions, an "Additional Description for Wastes Listed Above" space has been included on the Uniform Manifest form. This space may only be used for data that describe the waste, such as chemical names, constituent percentages, and physical state and may be used by a generator for additional waste descriptions even if a generator State or consignment State does not require it.

Handling Codes—This space is provided for either EPA or State handling codes indicating the relevant treatment, storage, or disposal process.

Other information—Several State commenters suggested that the form contain space for emergency response telephone numbers and for the name, address, telephone number, and logo of the State Agency. Although States may not require generators to provide any information other than in the optional State information space, the top margin has been expanded to provide room for the State to preprint such information. Section V.C. of this preamble, *Modifications to the Form*, discusses more completely the additional information that may appear on the form.

B. Form Design

The forms required by this promulgation retain the vertical 8½" by 11" size proposed on March 4, 1982 (see 47 FR 9336), despite the addition of new information items. This is possible because the available space is used more efficiently.

The required federal information items are generally on the left and middle portions of the form. The optional State information items are on the upper right, except for the "Additional Description for Waste Listed Above" space. The optional State information items are shaded and headed by letters rather than numbers, to set them apart.

The form has been revised in response to other comments in the following manner. (1) It was redesigned to be readily adaptable to automated data processing (ADP) equipment. (2) It is suitable for either manual or typewritten entry. The marks shown in the proposed rule in certain data entry spaces (e.g., "Container Number and Type") have

been de-emphasized because commenters stated that they interfered with preparation of the forms by typewriter. They have been replaced by lighter, less conspicuous dots. (3) The information items on the form are numbered or lettered to make it easier for users to follow instructions and reference a specific item in the "Special Handling Instructions and Additional Information" space. (4) The form contains an "Additional Description for Waste Listed Above" space that provides the generator with room to clearly enter useful information. (5) The final Uniform Manifest form (EPA form 8700-22) has only four waste listing spaces, as suggested by some commenters, in order to provide additional space for other information. (6) The Manifest document is designed to include a Continuation Sheet (EPA Form 8700-22A) on which the generator may list both additional hazardous wastes and transporters, if necessary. This eliminates the need for users with many different waste streams, notably laboratories, to prepare many separate manifests for one shipment.

C. Modifications to the Form

States may add information to the form in the margin or on the back of the form, and only information or instructions that do not require generators, transporters, or owners or operators of hazardous waste management facilities to supply new, different, or additional information. Information or instructions States may preprint include:

1. A unique State manifest document number (items A and L);
2. State emergency telephone numbers (in the margin or on the back);
3. State Agency name, address, telephone number, and State logo (in the margin or on the back);
4. Copy distribution information (in the margin or on the back);
5. State forms inventory control numbers (in the margin or on the back);
6. Organizational marks such as light lines, line identifiers, etc. to facilitate information entry and data processing (anywhere on the form);
7. A hazardous materials (HM) column in items 11 and 28 (see DOT regulations at 49 CFR 172.201);
8. A reference to State laws or regulations following the federal identification (in item 16); and
9. Abbreviations for headings in State optional information spaces (items A-H and L-Q).

States may also print instructions which may be distributed with the forms.

Title 40 CFR 271.6 has been revised to require use of EPA form 8700-22 and 8700-22A for authorized States. States seeking final authorization are required to submit a copy of the Uniform Manifest form with their application if they preprint any information on the form.

In cases where generators print their own uniform manifest forms, they may preprint the following information:

1. Any information requirements, with the exception of the certification signature and acceptance signatures;
2. Transporter safety information, treatment, storage or disposal information, and Bill of Lading information (in the "Special Handling Instructions and Additional Information" space or, if necessary, on the back);
3. Copy distribution and other general company information (in the margin or on the back);
4. A hazardous materials (HM) column in items 11 and 28 (see DOT regulations at 49 CFR 172.201); and
5. Organizational marks such as light lines, line identifiers, etc., to facilitate proper character placement of information (anywhere on the form).

Generators may also print instructions and distribute them with the form. But, the form must be completed and consistent with federal requirements.

Instructions for filling out the Uniform Hazardous Waste Manifest form are included in today's **Federal Register**. EPA is not requiring that the instructions be included with copies of the form. The form must, however, be completed and consistent with these instructions.

D. Copies of the Forms

EPA is not printing copies or sets of the Manifest form for public use. Generators and others desiring copies of the form should first contact their State office to determine if their State will be printing the forms. If their State is not printing the forms, camera-ready copies of the form for printing purposes can be obtained from the State, or the EPA Regional Office or EPA Headquarters.

VI. Effective Date

These regulations will take effect on September 20, 1984, as required by Section 3010(b) of RCRA. Further discussion of the appropriateness of this period of time for the Uniform Manifest is provided above, Section III.E, *Implementation Date*.

VII. Compliance with Executive Order 12291, Paperwork Reduction Act and Regulatory Flexibility Act

A. Executive Order 12291

EPA has determined that today's final rule will not result in: An annual effect on the economy of \$100 million or more; a major increase in costs or prices for consumers, individual industries, Federal, State, or local government agencies, or geographic regions; or significant adverse effects on competition, employment, investment, productivity, innovation or the ability of United States-based enterprises to compete in domestic or export markets. Indeed, as discussed above, today's action is expected to reduce the current burden on the regulated community. Therefore, this final rule is not subject to the major rule provisions of Executive Order 12291 and a regulatory impact analysis is not required.

This final rule was submitted to the Office of Management and Budget for review as required by Executive Order 12291. Any written comments from OMB to EPA and any EPA response to those comments are available for public inspection at the Office of Solid Waste Docket, Room S-212, U.S. EPA, 401 M Street SW, Washington DC, 20460.

B. Paperwork Reduction Act

The Uniform Hazardous Waste Manifest is subject to the OMB clearance requirements of the Paperwork Reduction Act of 1980. OMB has reviewed and approved the Uniform Hazardous Waste Manifest form through July 31, 1986 (OMB Control No. 2000-0404). The Uniform Hazardous Waste Manifest is not subject to the clearance requirements of the General Services Administration since the Manifest form is an operating rather than a reporting document.

C. Regulatory Flexibility Act

This final rule will not have a significant economic impact on a substantial number of small entities and, therefore, does not require the preparation of a regulatory flexibility analysis under the Regulatory Flexibility Act (5 U.S.C. 601 *et seq.*). Indeed, the required use of a Uniform Hazardous Waste Manifest form should reduce the costs of compliance with manifest requirements for regulated hazardous waste generators and transporters (including small businesses as defined by that Act) by reducing the number of manifest forms that must be completed for each shipment. Accordingly, I certify pursuant to 5 U.S.C. § 605 that the final rule will not have a significant adverse economic impact on small entities.

VIII. List of Subjects

40 CFR Part 260

Administrative practice and procedure, Hazardous materials, Waste treatment and disposal.

40 CFR Part 262

Hazardous materials, Labeling, Packaging and containers, Reporting requirements, Waste treatment and disposal.

40 CFR Part 271

Confidential business information, Hazardous materials, Intergovernmental relations, Penalties, Reporting requirements, Waste treatment and disposal, Water pollution control, Water supply.

Dated: March 13, 1984.

William D. Ruckelshaus,
Administrator.

Title 40 of the Code of Federal Regulations is amended as follows:

PART 260—HAZARDOUS WASTE MANAGEMENT SYSTEM; GENERAL

1. The authority citation for Part 260 reads as follows:

Authority: Secs. 1006, 2002, 3001 through 3007, 3010, and 7004, of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6905, 6912, 6921 through 6927, 6930, 6974).

2. Section 260.10 is amended by revising the following definitions to read as follows:

§ 260.10 Definitions.

"Manifest"—means the shipping document EPA form 8700-22 and, if necessary, EPA form 8700-22A, originated and signed by the generator in accordance with the instructions included in the Appendix to Part 262.

"Manifest document number"—means the U.S. EPA twelve digit identification number assigned to the generator plus a unique five digit document number assigned to the Manifest by the generator for recording and reporting purposes.

PART 262—STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE

3. The authority citation for Part 262 reads as follows:

Authority: Secs. 2002, 3001, 3002, 3003, 3004, and 3005 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended by (42 U.S.C. 6912, 6921 through 6925).

4. Section 262.20 is amended by revising paragraph (a) to read as follows:

§ 262.20 General requirements.

(a) A generator who transports, or offers for transportation, hazardous waste for offsite treatment, storage, or disposal must prepare a Manifest OMB control number 2000-0404 on EPA form 8700-22, and, if necessary, EPA form 8700-22A, according to the instructions included in the Appendix to Part 262.

5. 40 CFR is amended by revising § 262.21 in its entirety as follows:

§ 262.21 Acquisition of Manifests.

(a) If the State to which the shipment is manifested (consignment State) supplies the Manifest and requires its use, then the generator must use that Manifest.

(b) If the consignment State does not supply the Manifest, but the State in which the generator is located (generator State) supplies the Manifest and requires its use, then the generator must use that State's Manifest.

(c) If neither the generator State nor the consignment State supplies the Manifest, then the generator may obtain the Manifest from any source.

6. Section 262.50 is amended by revising the introductory text of paragraph (b)(3) and the introductory text of paragraph (d) and by adding paragraph (b)(4) and (e) to read as follows:

§ 262.50 International shipments.

(b) * * *

(3) Meet the requirements under § 262.20(a) for the Manifest except that:

(4) Obtain the Manifest from the generator's State if that State supplies the Manifest form and requires its use. If the generator's State does not supply the Manifest form, then the generator may obtain the Manifest form from any source.

(d) When importing hazardous waste, a person must meet all the requirements of § 262.20(a) for the Manifest except that:

(e) A person who imports hazardous waste must obtain the Manifest form from the consignment State if that State supplies the Manifest and requires its use. If the consignment State does not supply the Manifest form, then the Manifest form may be obtained from any source.

7. Part 262 is amended by adding an Appendix to read as follows:

Appendix—Uniform Hazardous Waste Manifest and Instructions (EPA Forms 8700-22 and 8700-22A and Their Instructions)

U.S. EPA Form 8700-22

Read all instructions before completing this form.

This form has been designed for use on a 12-pitch (elite) typewriter; a firm point pen may also be used—press down hard.

Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, and disposal

facilities to use this form (8700-22) and, if necessary, the continuation sheet (Form 8700-22A) for both inter and intrastate transportation.

Federal regulations also require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage and disposal facilities to complete the following information:

* * * * *

GENERATORS

Item 1. Generator's U.S. EPA ID Number—Manifest Document Number

Enter the generator's U.S. EPA twelve digit identification number and the

unique five digit number assigned to this Manifest (e.g., 00001) by the generator.

Item 2. Page 1 of —

Enter the total number of pages used to complete this Manifest, i.e., the first page (EPA Form 8700-22) plus the number of Continuation Sheets (EPA Form 8700-22A), if any.

Item 3. Generator's Name and Mailing Address

Enter the name and mailing address of the generator. The address should be the location that will manage the returned Manifest forms.

BILLING CODE 6560-50-M

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404. Expires 7-31-86.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address				A. State Manifest Document Number		
4. Generator's Phone ()				B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol
				No.	Type	
a.						
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.						
Printed/Typed Name				Signature		Date Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
18. Transporter 2 Acknowledgement or Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name				Signature		Date Month Day Year

EPA Form 8700-22 (3-84)

BILLING CODE 6560-50-C

Item 4. Generator's Phone Number

Enter a telephone number where an authorized agent of the generator may be reached in the event of an emergency.

Item 5. Transporter 1 Company Name

Enter the company name of the first transporter who will transport the waste.

Item 6. U.S. EPA ID Number

Enter the U.S. EPA twelve digit identification number of the first transporter identified in item 5.

Item 7. Transporter 2 Company Name

If applicable, enter the company name of the second transporter who will transport the waste. If more than two transporters are used to transport the waste, use a Continuation Sheet(s) (EPA Form 8700-22A) and list the transporters in the order they will be transporting the waste.

Item 8. U.S. EPA ID Number

If applicable, enter the U.S. EPA twelve digit identification number of the second transporter identified in item 7.

Note.—If more than two transporters are used, enter each additional transporter's company name and U.S. EPA twelve digit identification number in items 24-27 on the Continuation Sheet (EPA Form 8700-22A). Each Continuation Sheet has space to record two additional transporters. Every transporter used between the generator and the designated facility must be listed.

Item 9. Designated Facility Name and Site Address

Enter the company name and site address of the facility designated to receive the waste listed on this Manifest. The address must be the site address, which may differ from the company mailing address.

Item 10. U.S. EPA ID Number

Enter the U.S. EPA twelve digit identification number of the designated facility identified in item 9.

Item 11. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number (UN/NA))

Enter the U.S. DOT Proper Shipping Name, Hazard Class, and ID Number (UN/NA) for each waste as identified in 49 CFR 171 through 177.

Note.—If additional space is needed for waste descriptions, enter these additional descriptions in item 28 on the Continuation Sheet (EPA Form 8700-22A).

Item 12. Containers (No. and Type)

Enter the number of containers for each waste and the appropriate

abbreviation from Table I (below) for the type of container.

Table I—Types of Containers

DM= Metal drums, barrels, kegs
DW= Wooden drums, barrels, kegs
DF= Fiberboard or plastic drums, barrels, kegs
TP= Tanks portable
TT= Cargo tanks (tank trucks)
TC= Tank cars
DT= Dump truck
CY= Cylinders
CM= Metal boxes, cartons, cases (including roll-offs)
CW= Wooden boxes, cartons, cases
CF= Fiber or plastic boxes, cartons, cases
BA= Burlap, cloth, paper or plastic bags

Item 13. Total Quantity

Enter the total quantity of waste described on each line.

Item 14. Unit (Wt./Vol.)

Enter the appropriate abbreviation from Table II (below) for the unit of measure.

Table II—Units of Measure

G= Gallons (liquids only)
P= Pounds
T= Tons (2000 lbs)
Y= Cubic yards
L= Liters (liquids only)
K= Kilograms
M= Metric tons (1000 kg)
N= Cubic meters

Item 15. Special Handling Instructions and Additional Information

Generators may use this space to indicate special transportation, treatment, storage, or disposal information or Bill of Lading information. States may not require additional, new, or different information in this space. For international shipments, generators must enter in this space the point of departure (City and State) for those shipments destined for treatment, storage, or disposal outside the jurisdiction of the United States.

Item 16. Generator's Certification

The generator must read, sign (by hand), and date the certification statement. If a mode *other than* highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted in the space below. If another mode *in addition to* the highway mode is used, enter the appropriate additional mode (e.g., *and rail*) in the space below.

Note.—All of the above information *except* the handwritten signature required in item 16 may be preprinted.

* * * * *

TRANSPORTERS**Item 17. Transporter 1****Acknowledgement of Receipt of Materials**

Enter the name of the person accepting the waste on behalf of the first transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

Item 18. Transporter 2**Acknowledgement of Receipt of Materials**

Enter, if applicable, the name of the person accepting the waste on behalf of the second transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

Note.—International Shipments—Transporter Responsibilities.

Exports.—Transporters must sign and enter the date the waste left the United States in item 15 of Form 8700-22.

Imports.—Shipments of hazardous waste regulated by RCRA and transported into the United States from another country must upon entry be accompanied by the U.S. EPA Uniform Hazardous Waste Manifest. Transporters who transport hazardous waste into the United States from another country are responsible for completing the Manifest (40 CFR 263.10(c)(1)).

Owners and Operators of Treatment, Storage, or Disposal Facilities

Item 19. Discrepancy Indication Space

The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any significant discrepancy between the waste described on the Manifest and the waste actually received at the facility.

Owners and operators of facilities located in unauthorized States (i.e., the U.S. EPA administers the hazardous waste management program) who cannot resolve significant discrepancies within 15 days of receiving the waste must submit to their Regional Administrator (see list below) a letter with a copy of the Manifest at issue describing the discrepancy and attempts to reconcile it (40 CFR 264.72 and 265.72).

Owners and operators of facilities located in authorized States (i.e., those States that have received authorization from the U.S. EPA to administer the hazardous waste program) should contact their State agency for information on State Discrepancy Report requirements.

EPA Regional Administrators

Regional Administrator, U.S. EPA
Region I, J.F. Kennedy Fed. Bldg.,
Boston, MA 02203

Regional Administrator, U.S. EPA
Region II, 26 Federal Plaza, New York,
NY 10278

Regional Administrator, U.S. EPA
Region III, 6th and Walnut Sts.,
Philadelphia, PA 19106

Regional Administrator, U.S. EPA
Region IV, 345 Courtland St., NE.,
Atlanta, GA 30365

Regional Administrator, U.S. EPA
Region V, 230 S. Dearborn St.,
Chicago, IL 60604

Regional Administrator, U.S. EPA

Region VI, 1201 Elm Street, Dallas, TX
75270

Regional Administrator, U.S. EPA
Region VII, 324 East 11th Street,
Kansas City, MO 64106

Regional Administrator, U.S. EPA
Region VIII, 1860 Lincoln Street,
Denver, CO 80295

Regional Administrator, U.S. EPA
Region IX, 215 Freemont Street, San
Francisco, CA 94105

Regional Administrator, U.S. EPA
Region X, 1200 Sixth Avenue, Seattle,
WA 98101

*Item 20. Facility Owner or Operator:
Certification of Receipt of Hazardous
Materials Covered by This Manifest
Except as Noted in Item 19*

Print or type the name of the person

accepting the waste on behalf of the owner or operator of the facility. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

Items A-K are not required by Federal regulations for intra- or interstate transportation. However, States may require generators and owners or operators of treatment, storage, or disposal facilities to complete some or all of items A-K as part of State manifest reporting requirements. Generators and owners and operators of treatment, storage, or disposal facilities are advised to contact State officials for guidance on completing the shaded areas of the Manifest.

BILLING CODE 6560-50-00

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No.		Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.	
		23. Generator's Name		L. State Manifest Document Number			
24. Transporter _____ Company Name		25. US EPA ID Number		M. State Generator's ID			
26. Transporter _____ Company Name		27. US EPA ID Number		N. State Transporter's ID			
				O. Transporter's Phone			
				P. State Transporter's ID			
				Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.	
		No.	Type				
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information							
33. Transporter _____ Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
						Month Day Year	
34. Transporter _____ Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Date	
						Month Day Year	
35. Discrepancy Indication Space							

Instructions—Continuation Sheet, U.S. EPA Form 8700-22A

Read all instructions before completing this form.

This form has been designed for use on a 12-pitch (elite) typewriter; a firm point pen may also be used—press down hard.

This form must be used as a continuation sheet to U.S. EPA Form 8700-22 if:

- More than two transporters are to be used to transport the waste;
- More space is required for the U.S. DOT description and related information in Item 11 of U.S. EPA Form 8700-22.

Federal regulations require generators and transporters of hazardous waste and owners or operators of hazardous waste treatment, storage, or disposal facilities to use the uniform hazardous waste manifest (EPA Form 8700-22) and, if necessary, this continuation sheet (EPA Form 8700-22A) for both inter- and intrastate transportation.

GENERATORS**Item 21. Generator's U.S. EPA ID Number—Manifest Document Number**

Enter the generator's U.S. EPA twelve digit identification number and the unique five digit number assigned to this Manifest (e.g., 00001) as it appears in item 1 on the first page of the Manifest.

Item 22. Page —

Enter the page number of this Continuation Sheet.

Item 23. Generator's Name

Enter the generator's name as it appears in item 3 on the first page of the Manifest.

Item 24. Transporter — Company Name

If additional transporters are used to transport the waste described on this Manifest, enter the company name of each additional transporter in the order in which they will transport the waste. Enter after the word "Transporter" the order of the transporter. For example, Transporter 3 Company Name. Each Continuation Sheet will record the names of two additional transporters.

Item 25. U.S. EPA ID Number

Enter the U.S. EPA twelve digit identification number of the transporter described in item 24.

Item 26. Transporter — Company Name

If additional transporters are used to transport the waste described on this Manifest, enter the company name of

each additional transporter in the order in which they will transport the waste. Enter after the word "Transporter" the order of the transporter. For example, Transporter 4 Company Name. Each Continuation Sheet will record the names of two additional transporters.

Item 27. U.S. EPA ID Number

Enter the U.S. EPA twelve digit identification number of the transporter described in item 26.

Item 28. U.S. DOT Description Including Proper Shipping Name, Hazardous Class, and ID Number (UN/NA)

Refer to item 11.

Item 29. Containers (No. and Type)

Refer to item 12.

Item 30. Total Quantity

Refer to item 13.

Item 31. Unit (Wt./Vol.)

Refer to item 14.

Item 32. Special Handling Instructions

Generators may use this space to indicate special transportation, treatment, storage, or disposal information or Bill of Lading information. States are *not* authorized to require additional, new, or different information in this space.

TRANSPORTERS**Item 33. Transporter — Acknowledgement of Receipt of Materials**

Enter the same number of the Transporter as identified in item 24. Enter also the name of the person accepting the waste on behalf of the Transporter (Company Name) identified in item 24. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

Item 34. Transporter — Acknowledgement of Receipt of Materials

Enter the same number as identified in item 26. Enter also the name of the person accepting the waste on behalf of the Transporter (Company Name) identified in item 26. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

Owners and Operators of Treatment, Storage, or Disposal Facilities

Item 35. Discrepancy Indication Space

Refer to item 19.

Items L-R are not required by Federal regulations for intra- or interstate

transportation. However, States may require generators and owners or operators of treatment, storage, or disposal facilities to complete some or all of items L-R as part of State manifest reporting requirements. Generators and owners and operators of treatment, storage, or disposal facilities are advised to contact State officials for guidance on completing the shaded areas of the manifest.

PART 271—REQUIREMENTS FOR AUTHORIZATION OF STATE HAZARDOUS WASTE PROGRAMS

8. The authority citation for Part 271 reads as follows:

Authority: Sections 1006, 2002 and 3006 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (RCRA) (42 U.S.C. 6905, 6912, and 6926).

9. Section 271.6 is amended by revising paragraph (d) to read as follows:

§ 271.6 Program Description.

(d) Copies of the permit form(s), application form(s), and reporting form(s) the State intends to employ in its program. Forms used by the State for hazardous waste management need not be identical to the forms used by EPA but should require the same basic information, except that the State RCRA program must require the use of EPA Manifest forms 8700-22 and 8700-22A. Where the State preprints information on the Manifest forms, such forms must be submitted with the State's application for approval. Restrictions on preprinting by the States are identified in 40 CFR 271.10(h). Otherwise, the State need not provide copies of uniform national forms it intends to use but should note its intention to use such forms.

10. Section 271.10 is amended by revising paragraph (f)(1) and adding (h)(1)-(h)(3) to read as follows:

§ 271.10 Requirements for generators of hazardous waste.

(f) * * *

(1) Use a manifest system that ensures that interstate and intrastate shipments of hazardous waste are designated for delivery, and, in the case of intrastate shipments, are delivered to facilities that are authorized to operate under an approved State program or the federal program. The manifest system must include the use of Manifest form as required by § 262.20(a) and § 262.21. No

other manifest forms, shipping document, or information, other than that required by federal law, may be required by the State to travel with the shipment.

(h) * * *

(1) A State that supplies the manifest form required by § 262.20(a) may preprint information on the form only as follows:

(i) In items A and L, a State Manifest document number; (EPA Form 8700-22, items A; EPA Form 8700-22A, item L);

(ii) In items 11 and 28, a hazardous materials (HM) column for use in distinguishing between federally regulated wastes and other materials according to 49 CFR 172.201(a)(1);

(iii) Anywhere on the form, light organizational marks to indicate proper placement of characters or to facilitate data entry;

(iv) Anywhere in the margin of the form or on the back of the form, any information or instructions that do not require generators, transporters, or owners or operators of hazardous waste management facilities to supply additional information;

(v) In item 16, reference to State laws or regulations following the federal certification; and

(vi) Abbreviations for headings in State optional information spaces (EPA Form 8700-22, items A-H; and EPA Form 8700-22A, items L-Q).

(2) In addition to the federally required information, both the State in which the generator is located and the State in which the designated facility is located may require completion of the following items:

(i) State manifest document number (EPA Form 8700-22, item A; EPA Form 8700-22A item L);

(ii) For generators, State generator identification numbers (EPA Form 8700-22, item B; EPA Form 8700-22A, item M);

(iii) For transporters, telephone numbers and State transporter identification numbers (EPA Form 8700-22, items C, D, E and F; EPA Form 8700-22A, items N, O, P and Q);

(iv) For owners and operators of hazardous waste management facilities, facility telephone number, and State facility identification numbers (EPA Form 8700-22, items G and H);

(v) Codes associated with particular wastes (EPA Form 8700-22, item I; EPA Form 8700-22A, item R);

(vi) Codes associated with particular waste treatment, storage, or disposal methods (EPA Form 8700-22, item K; EPA Form 8700-22A, item T); and

(vii) Additional waste description associated with particular hazardous

wastes listed on the Manifest. This information is limited to information such as chemical names, constituent percentages, and physical state (EPA Form 8700-22, item J; EPA Form 8700-22A, item S).

(3) No State, however, may impose enforcement sanctions on a transporter during transportation of the shipment for failure of the form to include preprinted information or optional State information items

[FR Doc. 84-7166 Filed 3-19-84; 8:45 am]

BILLING CODE 6550-50-M

DEPARTMENT OF TRANSPORTATION

Research and Special Programs Administration

49 CFR Parts 171 and 172

[Docket HM-145D; Amdt. Nos. 171-78, 172-90]

Hazardous Waste Manifest; Shipping Papers

AGENCY: Materials Transportation Bureau, Research and Special Programs Administration, DOT.

ACTION: Final rule.

SUMMARY: The Department of Transportation (DOT) and the Environmental Protection Agency (EPA) today are publishing requirements for a Uniform Hazardous Waste Manifest. These rules are necessary to assure uniform enforcement and to resolve difficulties encountered by shippers and carriers involved in the transportation of hazardous waste, which were brought on by differing State manifest requirements. EPA is adopting a standard format for the manifest and the Materials Transportation Bureau (MTB) is amending the Hazardous Materials Regulations to require use of EPA's standardized hazardous waste manifest form for the transportation of hazardous waste in commerce. MTB has amended § 171.1 of the Hazardous Materials Regulations to delete the reference to EPA interim authorizations, and § 171.3 by revising the Note to paragraph (c)(3). MTB also adopts two amendments pertaining to shipping papers; one is a revision of § 172.201 to recognize that a shipping paper, including a hazardous waste manifest, may consist of more than one page; the other is a revision of § 172.205 to include reference to the EPA form number for the hazardous waste manifest.

EFFECTIVE DATE: September 20, 1984, however, compliance with the

regulations as herein amended is authorized on or after March 20, 1984.

FOR FURTHER INFORMATION CONTACT:

Lee E. Metcalfe, Office of Hazardous Materials Regulation, Materials Transportation Bureau, Washington, D.C. 20590, (202) 426-2075.

SUPPLEMENTARY INFORMATION:

I. Background

On February 26, 1980, the Environmental Protection Agency (EPA) established a manifest system to assure that hazardous wastes designated for delivery to offsite treatment, storage or disposal facilities actually reach their destination. The central element of that system is the "manifest", a control and transport document that accompanies the hazardous waste shipment from its point of generation to its point of destination. On May 22, 1980, MTB issued final regulations, under Docket HM-145A (45 FR 34560), relative to the use and disposition of manifests.

Although EPA considered requiring a uniform manifest form when it developed its regulations, the Agency chose instead only to require that specific information accompany the waste. It did not require the use of a specified format for a manifest. EPA recognized that DOT's regulations already require shipping papers for the transportation of hazardous materials without a requirement for use of a specific form; therefore, EPA concluded that a shipping paper could be used satisfactorily as a manifest if additional information required by EPA was included. By not requiring a specific form EPA's intent was to provide the regulated community with the option of adapting their existing DOT shipping papers to function as manifests as was requested by several commenters in response to the proposed EPA rule (43 FR 58946, Dec. 18, 1978).

Since the introduction of the Federal manifest system, there has been a proliferation of manifests as various States decide to develop and print their own forms. At least 22 States presently require generators to use specific manifest forms, often with varying additional information requirements. This has caused two major problems. First, the lack of uniformity in the manifests required by States has created a substantial burden for both generators and transporters. Prior to the effective date of this rule, a transporter carrying hazardous waste may be required to carry the manifest of each State in which it travels in order to comply with those States' manifest requirements. Failure to carry a State's particular