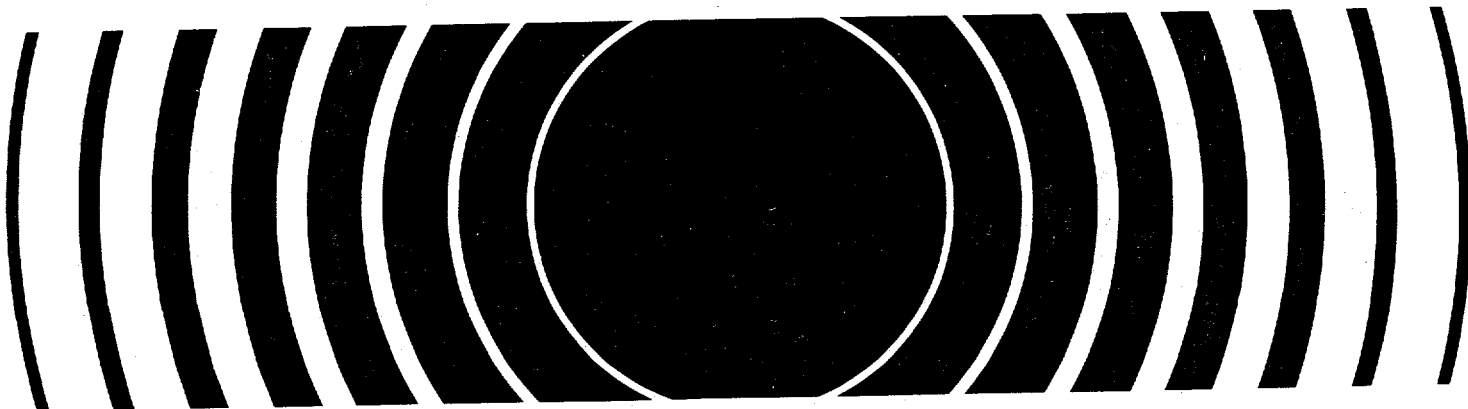


Radiation

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An Analysis of Evacuation Options for Nuclear Accidents

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AN ANALYSIS OF EVACUATION
OPTIONS FOR NUCLEAR ACCIDENTS

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PREFACE

The threat of release of a hazardous substance into the atmosphere will sometimes require that the population at risk be evacuated. If the substance is particularly hazardous or the release is exceptionally large, then an extensive area may have to be evacuated at substantial cost.

In this report we consider the threat posed by the accidental release of radionuclides from a nuclear power plant. The report's objective is to establish relationships between radiation dose and the cost of evacuation under a wide variety of conditions. The dose can almost always be reduced by evacuating the population from a larger area. However, extending the evacuation zone outward will cause evacuation costs to increase.

The purpose of this analysis was to provide the Environmental Protection Agency (EPA) a data base for evaluating whether implementation costs and risks averted could be used to justify evacuation at lower doses than would be required based on acceptable risk of health effects alone. The procedures used and results of these analyses are being made available as background information for use by others. In this report we develop cost/dose relationships for 54 scenarios that are based upon the severity of the reactor accident, meteorological conditions during the release of radionuclides into the environment, and the angular width of the evacuation zone. The 54 scenarios are derived from combinations of three accident severity levels, six meteorological conditions and evacuation zone widths of 70°, 90°, and 180°.

Appendix tables are provided to allow acceptable evaluation of the cost/dose relationships for a wide variety of scenarios. Guidance and examples are provided in the text to show how these tables can be used.

DISCLAIMER

The work upon which this report is based was supported by funds provided by the U. S. Environmental Protection Agency, Office of Radiation Programs.

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1.0 DOSE ASSESSMENT MODELS

Following an acute release of radioactivity to the atmosphere, individuals of the public may receive radiation doses from exposure to the passing plume or from exposure to material deposited on the ground. The methods used to estimate radiation exposure from each of these pathways are described in this section. The plume exposure pathway includes external exposure from radiation emitted in the plume and from inhalation of radioactive particles contained in the plume. Additionally, deposited material causes external exposure to individuals standing on the contaminated ground.

The analysis of dose for this study is based on models contained in the CRAC2 computer program (Ritchie et al. 1983, 1984) with noted modifications.

1.1 EXTERNAL PLUME EXPOSURE

The dose from submersion in the passing plume is calculated using the finite plume model of the CRAC2 computer program. This model calculates the dose based on a ground-level release and then makes a geometric correction for the actual plume height and plume dimensions. The equation for the calculation is:

$$D_p = \sum_{i=1}^{\text{Nuclides}} (E / Q) \cdot C_i \cdot DF_p \cdot CF \quad (1)$$

where:

D_p = the total dose received from external exposure during the time of plume passage, (rem)

E/Q = the time-integrated ground-level dispersion factor, (sec/m³)

C_i = the activity of radionuclide i released, corrected for decay during transit to the exposure location, (curies)

DF_p = the external plume dose conversion factor for radionuclide i , (rem/Ci-sec/m³)

CF = the finite plume correction factor for the current distance, release height, and plume dimensions (dimensionless)

The dose conversion factors, DF_p , used in the calculation are the original values given with the CRAC2 computer program. The finite plume correction factor is calculated from tabulated values based on plume dimension and height (USNRC 1975) using a modified interpolation method described by Streng (1980). This method is summarized as follows:

$$CF = (CF_y \cdot CF_z)^{1/2} \quad (2)$$

where:

CF = the finite plume correction factor

CF_y = the tabulated correction value based on the horizontal plume dimension (sigma y) for a ground-level release

CF_z = the tabulated correction value based on the vertical plume dimension (sigma z) and the effective plume height

Tabulated values used in the interpolation are given in USNRC (1975), Appendix VI, Table 8-1.

1.2 PLUME INHALATION DOSE

Individuals exposed to the plume are assumed to remain in the plume during the total time of passage. The internal dose received from inhalation is calculated as follows:

$$D_i = \sum_{i=1}^{\text{Nuclides}} (E / Q) \cdot C_i \cdot B \cdot DF_i \quad (3)$$

where:

D_i = the effective inhalation dose equivalent for an individual, (rem)

B = the average individual breathing rate during the time of plume passage, (m^3/sec)

DF_i = the inhalation dose conversion factor for radionuclide i, (rem/Ci inhaled)

and other terms are as previously defined. The dose conversion factors used to calculate the effective committed whole-body dose equivalent are based on compilations presented in ICRP Publication 30 (ICRP 26, ICRP 30).

1.3 EXPOSURE TO CONTAMINATED GROUND

Following the accident, the deposited activity causes external exposure to individuals in the vicinity of the contamination. For the present analysis, the dose from this pathway is calculated only for the first four days following the accident. The dose is calculated as the time integral of the ground concentration over the four days. The ground concentration changes with time due to weathering and radiological decay. The weathering model of the CRAC2 program is used to describe the decrease in activity. At time t, the fraction of the initial activity remaining is given by the following equation:

$$f_w(t) = 0.63 \exp(-1.13 t) + 0.37 \exp(-0.00748 t) \quad (4)$$

This equation is modified as follows to account for radiological decay:

$$f(t) = f_w(t) \cdot \exp(-0.693 t/t_h) \quad (5)$$

where:

$f(t)$ = the net fraction of activity remaining at time t

t_h = the radiological half-time, (years)

t = the time after the initial deposition, (years)

The time integral of $f(t)$ over the 4-day time period represents the effective exposure time for the dose calculation. The external whole-body dose is calculated by the following equation:

$$D_g = \sum_{i=1}^{\text{Nuclides}} (D / Q) \cdot C_i \cdot F(t) \cdot SF \cdot DF_{gi} \quad (6)$$

where:

D_g = the external dose received in four days following the accident, (rem)

D/Q = the normalized deposition factor at the exposure location, (m^{-2})

C_i = the activity of radionuclide i released, corrected for decay in transit to the exposure location, (curies)

$F(t)$ = the exposure time integral, (hours)

SF = the effective shielding factor for individuals for the 4-day period following the release, (dimensionless)

DF_{gi} = the ground dose conversion factor for radionuclide i , (rem/h per Ci/m^2)

For the present analysis, an effective shielding factor of 0.75 was used for the nonevacuating population (USNRC 1975). This represents normal occupancy in residential areas without any sheltering action taken as a result of the accident.

1.4 A DISCUSSION OF FACTORS AFFECTING DOSE

Three factors affect the dose distribution patterns as calculated for this report: atmospheric stability (Pasquill stability type), wind speed, and relative release fractions for each chemical class. The effect of atmospheric stability varies from greater dispersion for Pasquill A to lesser dispersion for Pasquill F. Greater dispersion generally results in lower doses, but the contamination is spread over a larger area. Also, air and ground concentrations generally decrease more rapidly when there is greater dispersion, although plume depletion is an important factor in determining ground and residual air concentrations as a function of distance.

Wind speed affects air and ground concentrations through effects related to time of travel. Both radiological decay and plume depletion are time related in the present analysis. When wind speeds are low (such as for Pasquill F, as indicated in Section 3.1) the short-lived radionuclides have more time to decay in transit, resulting in lower doses. Also, the low wind speeds allow more time for material to deposit during downwind transport, thus depleting the plume more. An exception is that noble gas radionuclides are not considered to deplete and their contribution to dose is only dependent on decay and dispersion.

Three contributions to dose are considered: external exposure to the plume, external exposure to ground deposited activity, and inhalation of activity in the plume. The primary contribution to external plume dose is from noble gas radionuclides, many of which are short-lived. Also, noble gas radionuclides are not considered to deposit and, therefore, do not contribute to external ground dose. The noble gas contribution to inhalation dose is negligible because deposition in the respiratory tract is insignificant. All other radionuclides are assumed to be depleted from the plume and deposited on the ground, thus contributing to external ground dose.

An indication of the variation in contribution of external ground dose to total dose is given in Table 1-1, which compares the external ground dose fractional contribution for the three siting source term (SST) scenarios and Pasquill A, D, and F stabilities. (See Section 3.1 for a discussion of siting source terms.) For Pasquill A and D results, ground dose is significant at all distances, with only a slight decrease beyond 80 km. The Pasquill F results, on the other hand, decrease sharply beyond 80 km and are insignificant at the larger distances. This is probably due to the higher wind speeds defined for Pasquill A and D, relative to the 1.5 meter per second wind speed used for Pasquill F. The plume is essentially depleted of material beyond 80 km for the Pasquill F calculation. The difference in relative contribution between the SST scenarios (for a given stability) is due to the variation in release of noble gases relative to particulate material. The external ground dose contribution for SST2 is smaller than for SST1 or SST3. A larger relative fraction of noble gases is released in SST2 compared with other scenarios. The specific mix of particulate radionuclides also has an effect on the

relative contribution between inhalation doses and external ground doses. However, radionuclide-specific information is not available to investigate this effect.

1.5 SUMMARY

The total dose received by the nonevacuating individual is calculated as the sum of the doses for the three exposure pathways:

$$dc_k = D_p + D_i + D_g \quad (7)$$

This dose is correctly termed the effective committed dose equivalent for individuals of the public at the exposure location.

TABLE 1-1. Fractional Contribution of Ground Dose to Total Dose

<u>Distance, (km)</u>	<u>Pasquill A</u>	<u>Pasquill D</u>	<u>Pasquill F</u>
<u>SST1</u>			
0.40	0.25	0.26	0.25
5.6	0.25	0.25	0.25
24.	0.25	0.25	0.23
80.	0.24	0.24	0.17
563.	0.19	0.20	-
<u>SST2</u>			
0.40	0.19	0.20	0.19
5.6	0.18	0.18	0.17
24.	0.19	0.18	0.12
80.	0.20	0.19	0.024
563.	0.16	0.17	-
<u>SST3</u>			
0.40	0.27	0.29	0.29
5.6	0.24	0.25	0.22
24.	0.25	0.24	0.14
80.	0.24	0.23	0.025
563.	0.16	0.17	-

2.0 EVACUATION COSTS

The evacuation costs for an area contaminated by a nuclear accident include the wages and salaries of the personnel directing the evacuation, the transportation costs of evacuees to and from the staging location, food and lodging for the evacuees during the evacuation period, loss of personal and corporate income during the evacuation period, and the costs of any special supplies. The general principle used in assessing the evacuation costs is to include only the incremental costs that are directly attributable to the evacuation. This means, for example, that average daily costs for food are to be deducted from food costs during evacuation, because the former would have been incurred in any case.

There is some uncertainty as to which categories of cost should be attributed to evacuation and which solely to the accident. Costs will also change with time and locality. Therefore the costs attributable to evacuation in the following sections should be interpreted as estimates subject to change based on local conditions and assumptions regarding the assignment of costs.

Each of the evacuation cost components is estimated below, using three basic assumptions: (1) the evacuation period lasts four days, (2) the round trip evacuation distance is 100 miles, and (3) there are three people per household. The evacuation costs are expressed on a per person basis.

2.1 WAGES OF EVACUATION PERSONNEL AND EQUIPMENT COSTS

Police officers, firefighters, other local officials, and the National Guard are most likely to be the people directing an evacuation. The Reactor Safety Study (USNRC 1975) assumes that 1 evacuation worker will be needed for every 50 evacuees, or, equivalently, that for every 1,000 evacuees 20 evacuation workers will be needed. In addition, the National Guard estimates that for every 20 evacuation workers, 1 administrative officer is required (personal communication with Capt. Searles, National Guard). It will be assumed here that 20 evacuation workers and 1 administrator are needed for every 1,000 evacuees. Police officers, firefighters and other local officials used as evacuation workers are taken away from their regular duties. Therefore, their regular duties are not performed for the time period they serve as evacuation workers, and the performance of these regular duties is lost. Since the value of these regular duties is assumed to be equal to the wages paid to perform these duties, the total wages paid these workers for the time they serve as evacuation workers is a cost of the evacuation. All cost estimates are based on 1982 dollars.

Police are likely to be the first group of workers chosen because of their law enforcement responsibilities and the ease with which they can be mobilized within the local area. Generally, 2 police officers per 1000 residents are considered to provide an adequate level of protective service. If it is assumed that both the city and county of the evacuation area are operating at this level of service, 4 of the 20 evacuation workers can be assumed to be police officers. Since the total number of firefighters in the United States are just under half the number of police officers (Statistical

Abstract 1983), 2 of the 20 workers will be assumed to be firefighters. The remaining evacuation workers are assumed to be other local government officials and/or National Guardsmen.

To estimate the evacuation costs per evacuee attributable to the wages and salaries of evacuation personnel, determine the total wages paid to the evacuation workers and then divide this number by 1000. The average 1982 salaries of police officers and firefighters were approximately \$10.15 and \$9.66 per hour, respectively (Statistical Abstract 1983). National Guardsmen are paid about \$60 per day, or \$7.50 per hour for an 8-hour day, and the National Guard estimates the salary of an administrative officer to be \$80 per day (personal communication with Capt. Searles, National Guard). City government employees were paid an average of about \$9.50 per hour in 1982 (Statistical Abstract 1983). The total wages per hour for evacuation personnel are:

$$4(\$10.15) + 2(\$9.66) + 14 (\$9.50) + \$10.00 = \$202.92 \quad (8)$$

If the evacuation personnel are assumed to work 8-hour days for four days, the cost per evacuee is \$6.49 for the evacuation period. It is likely, however, that evacuation personnel could be called upon to work longer days. The cost per evacuee for 12 hours per day for 4 days would be about \$9.74. Since it is most likely that the longer days would be the first and last days of the evacuation, a 10-hour day, estimated without bonus pay, is assumed for 4 days. This gives a cost of \$8.11 per evacuee for the evacuation period.

We were unable to obtain reliable estimates for the cost of equipment used in the evacuation. The appropriate cost measure for police, fire and National Guard equipment is the long-run marginal cost, which includes depreciation and other nonmileage dependent costs. As an estimate of equipment costs, we assume that these amount to 50 percent of the manpower costs, or about \$3.90 per evacuee. Combining this amount with the costs for evacuation personnel, we arrive at a cost of about \$12 per evacuee.

2.2 FOOD AND TEMPORARY SHELTER

Evacuees will require food and shelter for the duration of the evacuation period. The Reactor Safety Study (USNRC 1975) assumes that 80 percent of the evacuees will find commercial lodging and 20 percent will find shelter at mass care facilities at no charge. These estimates appear high, given the example set by the Three Mile Island (TMI) evacuation. At TMI 78 percent of the evacuees went to private homes, 15 percent went to commercial lodgings, and 7 percent had unknown destinations (Flynn 1979). The maximum number of evacuees to use a public shelter in any one day was only 180, which was just one-tenth of one percent of the evacuees (Zeigler et al. 1981, p. 9; for results based on other evacuations, see Wenger et al. 1975, pp. 42-43). A study done by Dacy and Kunreuther (1969) found the following to be indicative of evacuation behavior following disasters:

- Evacuees will avoid mass care shelters and will use them only as a last resort.

- o Evacuees will choose first to stay with relatives or friends, but will opt to stay with strangers before going to a public shelter.
- o Usually a large number of people who have escaped the effects of the disaster will open their homes to the victims.
- o In most disasters, the majority of the homeless will succeed in finding shelter on their own, even for the night immediately following the disaster.

In view of the above information, an approximate estimate of the way evacuees would be distributed among the three types of temporary shelter is: 65 percent to private homes, 25 percent to commercial lodgings and 10 percent to mass care facilities. The out-of-pocket cost for staying in either a private home or a public shelter is likely to be zero. The cost of commercial lodging is estimated as the average for motel rooms and hotel rooms for 1982, or \$51.44 per room per night (Survey of Current Business, July 1983). For the assumed three-person household this amounts to \$17.15 per day per person. For the 4-day evacuation period, the cost per person would be \$68.60. Using a weighted average to get the average out-of-pocket cost of shelter per evacuee for the evacuation period, an estimate of \$17.15 is obtained. This figure is also consistent with the concept of using the incremental cost for shelter: because, for most people, permanent housing costs will continue during the evacuation period, the estimate of \$17.15 does in fact represent an incremental cost to evacuees. However, this figure fails to recognize the social cost associated with the lower quality of temporary housing.

Where evacuees stay with friends and relatives, both the evacuees and their hosts are likely to suffer a decline in the quality of their housing because of overcrowding and the reduction in privacy. Additionally, these costs may increase over time due to the mental strain of living in close quarters with nonfamily members, especially if they were recent strangers. Those staying in public shelters will almost certainly suffer a decline in housing quality, while those staying in commercial quarters may experience a decline as well.

The average American spends \$3.89 per day on food, including both food consumed in the home and meals purchased outside the home (Statistical Abstract, 1983). The average food costs of evacuees are likely to exceed this amount because as a group they can be expected to consume a higher percentage of purchased meals. Even the cost of food served at mass shelters tends to be high. For example, the cost to the Red Cross to serve 5,000 meals per day for 3 or 4 days after the 1982 earthquake at Coalinga, California was \$110,000 (personal communication with the American Red Cross, Western Operations Office). This cost included \$60,000 in salaries to serve food, \$40,000 for the food and \$10,000 to rent a tent to cover the food facility. This works out to between \$5.50 and \$7.33 per meal. These costs do not include any of the previously discussed labor costs for evacuation personnel.

People staying in commercial quarters are likely to eat their meals in restaurants, while many of those staying in private homes may choose to eat out to reduce the burden on their hosts, if they can afford to do so. The

National Restaurant Association estimates the average price of a restaurant meal at \$2.66 (personal communication with Kim Walker, National Restaurant Association). At this rate, three meals a day would cost about \$8. This estimate is probably low, since it is based on a large number of fast food meals served and a relatively large number of lunches. On the other hand, fewer children's portions were probably served than would be the case for evacuee families.

In calculating the incremental costs of food for evacuees, it will be assumed that food costs will increase by \$12 per day for both those 10 percent feeding at a mass shelter and for those 25 percent staying in commercial quarters. For evacuees staying in private homes, food costs are assumed not to change from normal levels. The weighted average incremental food cost per day per evacuee works out to \$4.20. The total estimate for food and shelter for the evacuation period is about \$34 per evacuee or about \$8.50 per day.

2.3 TRANSPORTATION

Evacuation from the danger zone would be largely by private automobile, but also by bus and National Guard transport trucks. To calculate the costs of transportation, the following assumptions are made: 1) three people exit the area in each private vehicle; 2) people remain in a host area until the evacuation is over; and 3) the evacuation distance is 100 miles. The Reactor Safety Study (USNRC 1975) assumes a maximum evacuation distance of 30 miles, but results of the TMI evacuation showed evacuation distances of 100 miles or more.

Because only a small fraction of the evacuating population is expected to evacuate in publicly provided trucks or buses, we will assume that the cost of transporting them is the same as if they drove out in a personally-owned vehicle. In 1982, the average cost to operate a car was \$0.223 per mile, while the average cost for only gasoline and oil was \$0.144 per mile (Statistical Abstract 1983). The appropriate measure for the cost of transportation is the latter, since only the mileage-dependent costs should be included. Furthermore, only the mileage to and from the host area is assumed to be additional to "normal" mileage; i.e., driving around the host area is assumed to replace the driving that would have taken place during the same period had no accident occurred. The incremental cost of a 200-mile round trip is \$28.80 or \$9.60 per person.

2.4 SPECIAL SUPPLIES

This category is concerned mainly with equipment needed in the logistics of the evacuation. The National Guard has most of the equipment needed, except for helicopters that may be needed for medical evacuation, public address, traffic control, or for command observation posts. It is likely that some helicopters would be needed, particularly on the first and last days of the evacuation.

It is assumed that on the first day of the evacuation two helicopters will be needed for medical or other evacuation, two for traffic control and public address purposes, and two for command/observation posts. On the day

when evacuees return to the evacuated area (the last day of the evacuation period), it is assumed that one helicopter is used for traffic control and one is used for command/observation.

Given that the cost of a helicopter is about \$500 per hour and assuming 10-hour days, this results in total costs for the evacuation period of \$40,000. For an evacuating population of 50,000, this results in costs per evacuee of \$0.80. For a population of 250,000 the cost per evacuee would be \$0.16. For populations greater than 250,000 it is likely that more helicopters would be needed. Costs of \$0.40 per evacuee are assumed.

2.5 LOSS OF INCOME

Unlike the other costs already considered, the loss of income does not require actual money outlays. During the evacuation period, both family income (personal income) and business income (corporate income) will be diminished. In 1982 total personal income for the United States was \$1,726.6 billion, including wages and salaries, proprietor's income, and rental income (Survey of Current Business, July 1983). Other components of personal income are not included here because they would not be directly affected by the evacuation. The 1982 U.S. population was 232,561,000 (personal communication with the U.S. Bureau of Census), so personal income in 1982 was about \$20.35 per person per day, or \$81.40 per evacuee for a 4-day evacuation.

For corporations within the evacuation zone, it is assumed that there would be no sales during the evacuation period. At the same time, the cost of goods and materials associated with these sales, as well as wages and salaries of all corporate employees, would be avoided. Corporate evacuation losses, then, would consist of before tax profits, depreciation, interest and rents. Because of the poor national economy during 1982, the 1981 values for these quantities are used as being more representative. 1981 corporate profits before tax were about \$226.7 billion, and interest paid by business corporations was \$497.7 billion (Survey of Current Business, July 1983). The capital consumption allowance for 1981, which includes depreciation and accidental damages to equipment, was \$191.9 billion. Corporate rental payments are assumed to be negligible, as most corporations own their premises and depreciate them. The identified items in 1981 totalled \$916.6 billion, or \$972.3 billion expressed in 1982 dollars (using the GNP implicit price deflator for business).

The corresponding number of corporate employees in 1981 was 70,433,000 (Survey of Current Business, July 1983). This gives a corporate income loss during an evacuation of \$37.93 per employee per day. Since about 30 percent of the population is employed at a U.S. corporation, the corporate income loss amounts to \$45.50 per evacuee.

2.6 SUMMARY OF EVACUATION COSTS

Table 2-1 presents a summary of the estimated evacuation costs. Total evacuation costs are about \$185 per evacuee, with over two-thirds of this amount due to foregone income.

TABLE 2-1. Evacuation Costs for a Four-Day Evacuation Period
(1982 dollars per evacuee)

Evacuation personnel and equipment	\$12.00
Food and lodging	34.00
Transportation	9.60
Special supplies	.40
Loss of personal income	81.40
Loss of corporate income	<u>45.50</u>
TOTAL	\$182.90

3.0 EVACUATION SCENARIOS

In this section we describe several different evacuation scenarios, each depending upon a different combination of accident severity, meteorology, and evacuation zone boundaries. We also identify the range of Protective Action Guide (PAG) candidate values considered in the analysis. The methodology underlying the analysis is then explained.

3.1 EVACUATION SCENARIOS

Fifty-four different evacuation scenarios are considered in this analysis. Each is defined with respect to one of three accident severity levels, one of six meteorological conditions, and one of three evacuation zone boundaries. The accident severity levels are defined by the Siting Source Terms (SST) SST1, SST2, and SST3 described in Table 3-1 below.

The six meteorological conditions are defined by the Pasquill A through F weather stabilities; these are used with respective wind speeds of 3, 3.5, 4, 4, 3 and 1.5 m/sec. In each scenario, the wind is assumed to blow at a constant speed and in a constant direction for the duration of the release.

Three evacuation zones are considered. All include a circular area centered at the point of release and extending out 3.2 km (2 mi). Beyond this circular area, the three evacuation zones extend downwind from the release point and contain angles of 70°, 90° and 180°. These evacuation zones are illustrated in Figure 3-1. Combinations of the 3 accident scenarios, 6 meteorologies and 3 evacuation zones give rise to 54 scenarios.

TABLE 3-1. Siting Source Term (SST) Descriptions

<u>Group</u>	<u>Description</u>
SST1	Severe core damage. Essentially involves loss of all installed safety features. Severe direct breach of containment.
SST2	Severe core damage. Containment fails to isolate. Systems to mitigate fission product release (e.g., sprays, suppression pool, fan coolers) operate to reduce release.
SST3	Severe core damage. Containment fails by basemat melt-through. All other release mitigation systems function as designed.

Source: USNRC 1981

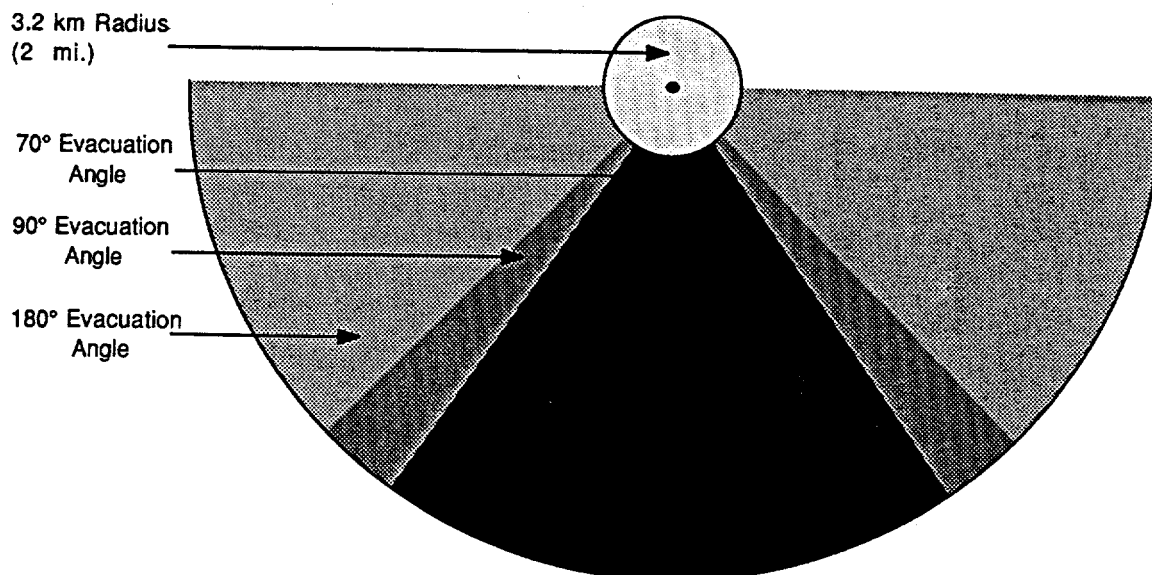


FIGURE 3-1. Evacuation Zones

3.2 PROTECTIVE ACTION GUIDES

Each evacuation scenario is evaluated for the following PAGs: 0.5-, 1-, 2-, 5-, 10-, 15-, 20- and 25-rem 70-year effective dose to an individual (from plume plus four days of deposition). The PAG value determines how far the evacuation zone extends. Generally, the lower the PAG value, the larger will be (1) the area evacuated, (2) the number of people evacuated, (3) the dose avoided, and (4) the evacuation costs.

3.3 METHODOLOGY

The nuclear plant site is assumed to occupy an area of land with the shape and dimensions shown in Figure 3-2. Note the shaded portion outside of the circle. For methodological reasons, the dose could not be computed for this area. However, this limitation had no effect on our results, since all of the scenarios that we examined had no doses within this shaded portion.

The assumed population densities surrounding the plant site are given in Table 3-2. Except for the density beyond 80.47 km (50 mi), the reported figures are the average densities around 111 nuclear reactor plants based on 1970 data (USNRC 1979). It is noted that no resident population is found within .804 km (0.5 mi) of the plant site.

The evacuation zone can be viewed as two separate zones, each of which is subdivided into grid elements. The first zone is defined by the circular evacuation area, while the second zone is the wedge (outside the circle). The width of the wedge is given by one of the three angles described in the preceding section.

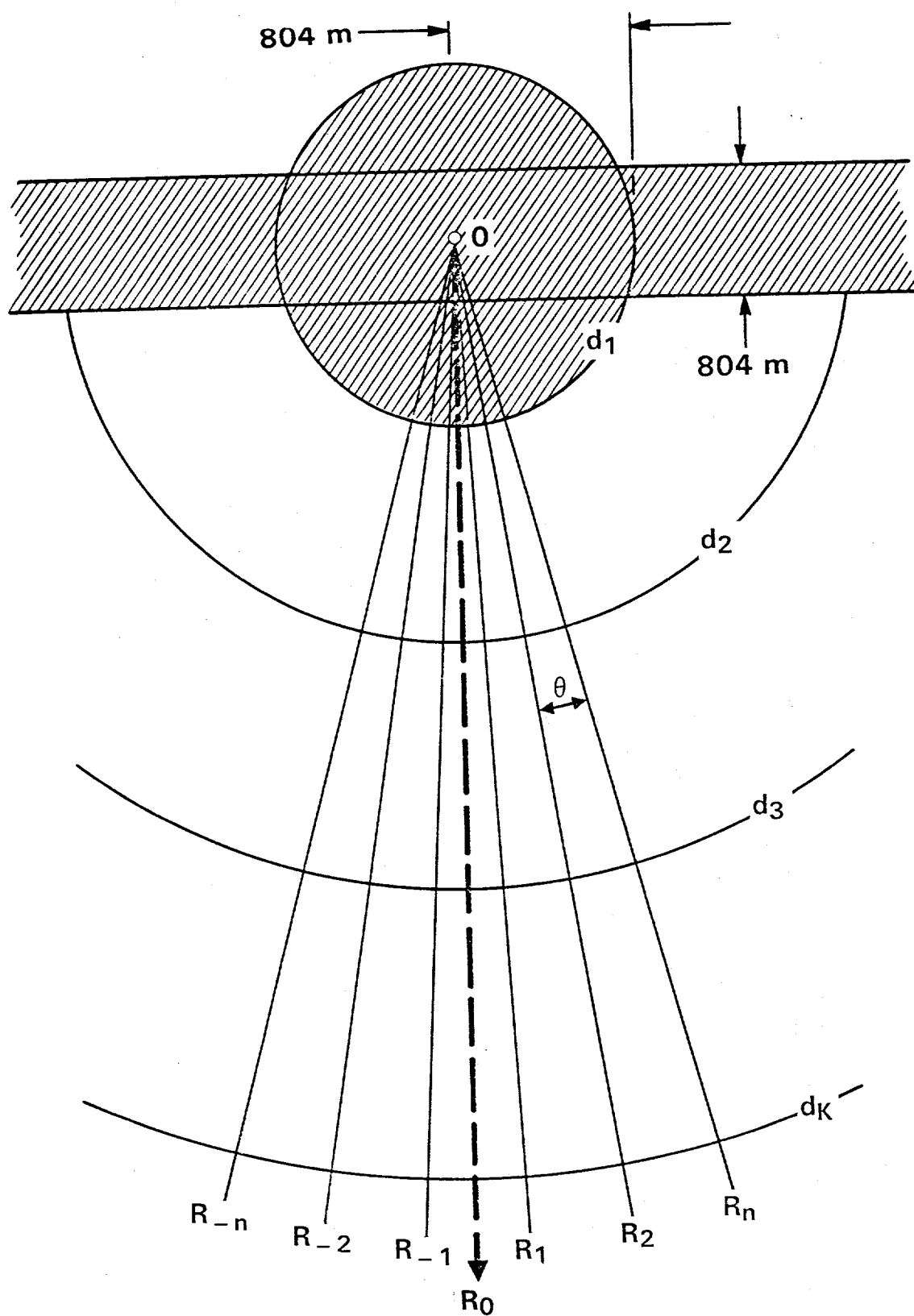


Figure 3-2. Plant Site and Accident Grid

TABLE 3-2. Average Population Densities Surrounding Nuclear Plant Sites

Distance Interval [mi (km)]	Population Density [persons/sq mi (/sq km)]
0 - 0.49 (0.79)	0
0.5 (0.8) - 0.99 (1.59)	71 (27.41)
1 (1.61) - 1.99 (3.20)	98 (37.84)
2 (3.22) - 4.99 (8.03)	104 (40.15)
5 (8.05) - 9.99 (16.08)	123 (47.49)
10 (16.09) - 19.99 (32.17)	153 (59.07)
20 (32.19) - 29.99 (48.26)	223 (86.10)
30 (48.28) - 39.99 (64.36)	246 (94.98)
40 (64.37) - 50.00 (80.47)	224 (86.49)
more than 50 (80.47).	225 (86.87)

Note: Population density of 225 persons/sq mi (86.87 persons/sq km) for distances greater than 50 miles (80.47 km) is arbitrarily assumed.

Source: USNRC 1979

The radial grid elements are developed as shown in Figure 3-2 where the release point is at 0 and the plume travels along ray R_0 . A series of rays, $R_{-n}, \dots, R_n$ is constructed originating at 0. Adjacent rays subtend a constant angle of θ degrees. For the current analysis, θ has a value of 2 degrees. The population boundaries are taken at the K downwind distance intervals $d_1, d_2, \dots, d_K$. In the current analysis, the values for the downwind distance intervals are as shown in Table 3-3.

It is assumed that the predicted dose rates throughout each grid element are homogeneous and equal to the dose rate at the centroid. Equivalently, one can view the population as being concentrated entirely at the centroid of each grid element. By construction, all centroids lie on radii midway between adjacent rays. The effective committed dose equivalent, D_n , that is avoided by evacuating the population within two adjacent rays--i.e., within each 20 sector--is therefore given by

$$D_n = \sum_{k=0}^k w_k \cdot dc_k \quad (\text{rem}) \quad (9)$$

where:

dc_k = the 70-year effective committed dose equivalent that would be received by an individual within the k -th grid element (rem);

and the w_k are area- and population-based weights defined by

$$w_k = \frac{\pi [d_k^2 - d_{k-1}^2]}{\phi} \text{POP}_k \quad k=1, \dots, K; d_0=0 \quad (10)$$

and where:

d_k = the k-th downwind distance (km)

ϕ = 360° divided by θ (dimensionless)

and POP_k = the population density in the k-th distance interval (persons/km²).

The parameter ϕ is simply the number of sectors into which the accident grid has been divided. The doses are computed at points along the rays $R_1, \dots, R_n$ and midway between the distance intervals d_k . The resulting population weights for the respective downwind distances are shown in Table 3-3.

TABLE 3-3. Downwind Distances and Population Weights within a Two-Degree Width, per Grid Element

Downwind Distance (km)	Population	Cumulative Population	Downwind Distance (km)	Population	Cumulative Population
0.402	0	0	28.16	216	755
0.805	0	0	32.19	252	1007
1.609	1	1	40.23	872	1879
2.414	2	3	48.28	1076	2955
3.219	3	6	56.33	1386	4341
4.023	4	10	64.37	1622	5963
4.828	5	15	72.42	1651	7614
5.633	6	21	80.47	1866	9480
6.437	7	28	88.51	2053	11533
7.242	8	36	96.56	2269	13802
8.047	9	44	112.7	5086	18888
9.656	23	68	136.8	9139	28027
11.27	28	96	160.9	10942	38969
13.68	50	146	241.4	49034	88002
16.09	60	205	321.9	68685	156687
20.12	150	355	563.3	324221	480908
24.14	184	539	804.7	500363	981271

4.0 EVACUATION ANALYSIS RESULTS

In this section we examine the results of the evacuation analysis. In particular, we identify:

- o the evacuation zone angle (degrees)
- o the evacuation zone distance (meters)
- o the dose avoided (rem)
- o the evacuation area (square meters)
- o the number of individuals evacuated
- o the evacuation cost (dollars)
- o the cost per dose avoided (\$/rem)

Detailed evacuation and dose data are presented in Tables 4-1 and 4-2, which give results for a Pasquill A, SST1 accident. Similar tables for the other meteorologies and accident severity levels are in Appendix A. Each table can be viewed as a map of the accident area. The rays originating from the release point and lying at various angles to the centerline are represented by the table columns. Each column represents a 2° sector. For example, the first column, labeled 0° , corresponds to the centerline ray and applies to an angle of 1° on either side of the centerline.

Any even-numbered evacuation angle can be directly evaluated. To select the appropriate column, find the column heading that is equal to one less than half the desired angle. Thus, to determine doses for the 70° , 90° and 180° evacuation angles, refer to the columns labeled 34° , 44° , and 86° , respectively. An angle of 86° technically corresponds to a total evacuation angle of 174° , but since all effective doses beyond this angle are zero, they can be safely ignored.

The row values correspond to the distance from the release point to the midpoint of a grid element. The distance to the outer boundary of a grid element is the first value in Table 3-3 that is greater than the midpoint distance. For example, in Table 4-1 the fifth row shows a value of 2,816 m. This is the distance to the midpoint of the grid element terminating at 3,219 m, which is the fifth distance in Table 3-3. This distance is also the circle evacuation zone boundary and is denoted by a small circle to the left of the row value in Tables 4-1 and 4-2.

Table 4-1 gives the 70-year effective dose, measured in rem, to an individual located at the centroid of a grid element. To determine the dose read down the left column to the desired midpoint distance; then, find the column labeled with the angle of interest and read the value in the cell. For example, the 70-year effective dose to an individual just outside of the evacuation circle (midpoint distance equals 3,621 m) and at an angle of 36° from the centerline is 87.24 rems. This is interpreted to mean that an individual at this location would receive a dose commitment of 87.24 rems if not evacuated.

TABLE 4-1. Early Dose for Pasquill A, 3.0 m/sec, Release Term is SST1:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	3.113E+03	3.131E+03	3.183E+03	3.269E+03	3.386E+03	3.532E+03	3.701E+03	3.889E+03	4.090E+03	4.299E+03	4.509E+03							
1207.	9.205E+02	9.210E+02	9.225E+02	9.248E+02	9.278E+02	9.304E+02	9.328E+02	9.342E+02	9.338E+02	9.310E+02	9.250E+02							
2012.	4.587E+02	4.582E+02	4.564E+02	4.535E+02	4.494E+02	4.438E+02	4.369E+02	4.284E+02	4.183E+02	4.065E+02	3.928E+02							
2816.	3.436E+02	3.428E+02	3.404E+02	3.364E+02	3.307E+02	3.235E+02	3.148E+02	3.045E+02	2.928E+02	2.796E+02	2.651E+02							
3621.	2.758E+02	2.749E+02	2.728E+02	2.692E+02	2.642E+02	2.578E+02	2.501E+02	2.411E+02	2.309E+02	2.194E+02	2.070E+02							
4426.	2.307E+02	2.301E+02	2.282E+02	2.250E+02	2.205E+02	2.148E+02	2.079E+02	1.999E+02	1.908E+02	1.807E+02	1.697E+02							
5230.	1.987E+02	1.981E+02	1.963E+02	1.934E+02	1.894E+02	1.842E+02	1.780E+02	1.707E+02	1.625E+02	1.535E+02	1.437E+02							
6035.	1.746E+02	1.741E+02	1.725E+02	1.698E+02	1.661E+02	1.613E+02	1.556E+02	1.490E+02	1.416E+02	1.333E+02	1.245E+02							
6840.	1.558E+02	1.553E+02	1.538E+02	1.514E+02	1.479E+02	1.435E+02	1.383E+02	1.322E+02	1.254E+02	1.178E+02	1.097E+02							
7644.	1.407E+02	1.403E+02	1.389E+02	1.366E+02	1.334E+02	1.293E+02	1.244E+02	1.188E+02	1.124E+02	1.055E+02	9.798E+01							
8851.	1.230E+02	1.226E+02	1.214E+02	1.193E+02	1.164E+02	1.127E+02	1.083E+02	1.032E+02	9.755E+01	9.130E+01	8.459E+01							
10460.	1.054E+02	1.050E+02	1.039E+02	1.020E+02	9.947E+01	9.622E+01	9.232E+01	8.783E+01	8.280E+01	7.729E+01	7.140E+01							
12470.	8.938E+01	8.905E+01	8.806E+01	8.642E+01	8.416E+01	8.129E+01	7.787E+01	7.392E+01	6.951E+01	6.470E+01	5.958E+01							
14890.	7.562E+01	7.532E+01	7.445E+01	7.300E+01	7.101E+01	6.849E+01	6.547E+01	6.201E+01	5.816E+01	5.396E+01	4.950E+01							
18110.	6.268E+01	6.242E+01	6.167E+01	6.042E+01	5.870E+01	5.652E+01	5.393E+01	5.096E+01	4.766E+01	4.407E+01	4.027E+01							
22130.	5.157E+01	5.135E+01	5.070E+01	4.963E+01	4.815E+01	4.629E+01	4.407E+01	4.154E+01	3.873E+01	3.589E+01	3.248E+01							
30180.	4.374E+01	4.355E+01	4.298E+01	4.203E+01	4.072E+01	3.908E+01	3.713E+01	3.491E+01	3.245E+01	2.980E+01	2.702E+01H							
36210.	3.790E+01	3.773E+01	3.721E+01	3.637E+01	3.520E+01	3.373E+01	3.199E+01	3.001E+01H	2.782E+01H	2.548E+01H	2.302E+01G							
44260.	2.550E+01H	2.538E+01H	2.501E+01H	2.439E+01	2.355E+01G	2.250E+01G	2.125E+01G	1.984E+01	1.828E+01	1.683E+01F	1.549E+01							
52300.	2.132E+01G	2.121E+01G	2.088E+01G	2.035E+01G	1.962E+01	1.871E+01	1.763E+01F	1.642E+01F	1.508E+01F	1.367E+01	1.220E+01							
60350.	1.822E+01	1.812E+01	1.783E+01	1.738E+01	1.672E+01F	1.592E+01F	1.497E+01	1.391E+01	1.275E+01	1.151E+01E	1.024E+01E							
68400.	1.582E+01F	1.574E+01F	1.548E+01F	1.506E+01F	1.449E+01	1.378E+01	1.294E+01	1.199E+01	1.096E+01E	9.877E+00	8.757E+00							
76440.	1.392E+01	1.384E+01	1.361E+01	1.324E+01	1.272E+01	1.208E+01	1.133E+01	1.048E+01E	9.565E+00	8.594E+00	7.598E+00							
84490.	1.236E+01	1.229E+01	1.209E+01	1.174E+01	1.128E+01	1.070E+01E	1.002E+01E	9.255E+00	8.428E+00	7.557E+00	6.665E+00							
92540.	1.108E+01E	1.102E+01E	1.083E+01E	1.052E+01E	1.009E+01E	9.562E+00	8.942E+00	8.248E+00	7.497E+00	6.708E+00	5.901E+00							
104600.	9.505E+00	9.450E+00	9.284E+00	9.013E+00	8.642E+00	8.182E+00	7.643E+00	7.040E+00	6.388E+00	5.704E+00	5.005E+00							
124700.	7.583E+00	7.517E+00	7.382E+00	7.181E+00	6.860E+00	6.485E+00	6.048E+00	5.558E+00	5.030E+00	4.478E+00	3.915E+00							
148900.	5.946E+00	5.909E+00	5.799E+00	5.620E+00	5.375E+00	5.072E+00	4.719E+00	4.325E+00	3.901E+00	3.458E+00	3.010E+00							
201200.	3.766E+00	3.732E+00	3.661E+00	3.546E+00C	3.388E+00C	3.193E+00C	2.965E+00C	2.711E+00C	2.438E+00C	2.153E+00C	1.865E+00							
281600.	2.122E+00C	2.108E+00C	2.067E+00C	1.999E+00B	1.907E+00B	1.793E+00B	1.680E+00B	1.512E+00B	1.353E+00B	1.188E+00B	1.021E+00B							
442600.	7.720E-01*	7.673E-01*	7.533E-01*	7.303E-01*	6.986E-01*	6.589E-01*	6.119E-01*	5.589E-01*	5.012E-01*	4.404E-01	3.785E-01							
684000.	2.189E-01	2.177E-01	2.142E-01	2.083E-01	2.000E-01	1.894E-01	1.766E-01	1.618E-01	1.454E-01	1.279E-01	1.097E-01							

TABLE 4-1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
b	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	4.712E-03	4.902E-03	5.071E-03	5.211E-03	5.317E-03	5.381E-03	5.397E-03	5.362E-03	5.271E-03	5.123E-03	4.918E-03
	1207.	9.151E-02	9.007E-02	8.810E-02	8.557E-02	8.243E-02	7.867E-02	7.429E-02	6.932E-02	6.383E-02	5.788E-02	5.160E-02
	2012.	3.772E-02	3.597E-02	3.403E-02	3.191E-02	2.962E-02	2.718E-02	2.462E-02	2.198E-02	1.930E-02	1.664E-02	1.403E-02
	2816.	2.494E-02	2.327E-02	2.150E-02	1.965E-02	1.778E-02	1.584E-02	1.392E-02	1.204E-02	1.022E-02	8.490E-01	6.887E-01
	3621.	1.935E-02	1.793E-02	1.644E-02	1.490E-02	1.334E-02	1.177E-02	1.022E-02	8.724E-01	7.296E-01	5.998E-01	4.825E-01
	4426.	1.579E-02	1.455E-02	1.326E-02	1.193E-02	1.060E-02	9.273E-01	7.977E-01	6.758E-01	5.627E-01	4.570E-01	3.608E-01
	5230.	1.332E-02	1.222E-02	1.108E-02	9.923E-01	8.780E-01	7.613E-01	6.534E-01	5.495E-01	4.522E-01	3.623E-01	2.817E-01H
	6035.	1.150E-02	1.051E-02	9.492E-01	8.459E-01	7.430E-01	6.449E-01	5.495E-01	4.585E-01	3.735E-01	2.982E-01H	2.277E-01G
	6840.	1.011E-02	9.207E-01	8.285E-01	7.354E-01	6.452E-01	5.588E-01	4.711E-01	3.902E-01	3.153E-01	2.478E-01	1.896E-01
	7644.	9.005E-01	8.180E-01	7.336E-01	6.504E-01	5.680E-01	4.875E-01	4.103E-01	3.377E-01	2.711E-01H	2.124E-01G	1.609E-01F
	8851.	7.752E-01	7.018E-01	6.271E-01	5.521E-01	4.783E-01	4.083E-01	3.418E-01	2.793E-01H	2.224E-01G	1.721E-01F	1.291E-01
	10460.	6.520E-01	5.879E-01	5.228E-01	4.579E-01	3.944E-01	3.332E-01	2.769E-01H	2.247E-01G	1.775E-01F	1.358E-01	1.002E-01E
	12470.	5.418E-01	4.864E-01	4.305E-01	3.749E-01	3.208E-01	2.692E-01H	2.215E-01G	1.783E-01F	1.394E-01	1.054E-01E	7.680E-01
	14890.	4.484E-01	4.007E-01	3.527E-01	3.054E-01H	2.596E-01H	2.162E-01G	1.784E-01F	1.408E-01	1.088E-01E	8.135E-01	6.847E-01
	18110.	3.632E-01	3.230E-01	2.827E-01H	2.432E-01G	2.052E-01G	1.695E-01F	1.366E-01	1.078E-01E	8.235E-01	6.078E-01	4.305E-01
	22130.	2.915E-01H	2.578E-01H	2.243E-01G	1.918E-01	1.604E-01F	1.313E-01	1.047E-01E	8.151E-01	6.162E-01	4.487E-01	3.128E-01
	26150.	2.415E-01	2.125E-01G	1.838E-01	1.561E-01F	1.298E-01	1.054E-01E	8.387E-01	6.481E-01	4.839E-01	3.475E-01	2.385E-01C
	30180.	2.049E-01G	1.798E-01F	1.546E-01F	1.308E-01	1.080E-01E	8.755E-01	6.909E-01	5.286E-01	3.905E-01	2.771E-01	1.878E-01
	36210.	1.865E-01F	1.452E-01	1.244E-01E	1.044E-01E	8.563E-01	6.852E-01	5.338E-01	4.047E-01	2.958E-01	2.074E-01C	1.387E-01B
44260.	1.315E-01	1.140E-01E	9.703E-01	8.083E-01	6.579E-01	5.217E-01	4.017E-01	3.002E-01	2.168E-01	1.499E-01	9.852E-01	
52300.	1.071E-01E	9.240E-01	7.814E-01	6.465E-01	5.221E-01	4.105E-01	3.150E-01	2.337E-01	1.686E-01	1.136E-01	7.350E-01	
60350.	8.954E-01	7.688E-01	6.466E-01	5.318E-01	4.268E-01	3.349E-01	2.547E-01	1.869E-01	1.317E-01	8.868E-01	5.849E-01*	
68400.	7.630E-01	6.524E-01	5.463E-01	4.470E-01	3.582E-01	2.790E-01	2.104E-01	1.529E-01	1.087E-01	7.094E-01	4.497E-01	
76440.	6.599E-01	5.622E-01	4.689E-01	3.831E-01	3.053E-01	2.362E-01	1.768E-01	1.275E-01	8.822E-01	5.843E-01*	3.658E-01	
84490.	5.773E-01	4.902E-01	4.079E-01	3.321E-01	2.633E-01	2.025E-01	1.507E-01	1.079E-01	7.440E-01	4.880E-01	3.022E-01	
92540.	5.096E-01	4.313E-01	3.583E-01	2.905E-01	2.292E-01	1.755E-01	1.298E-01	9.276E-01	6.343E-01	4.124E-01	2.630E-01	
104600.	4.310E-01	3.638E-01	2.999E-01	2.413E-01	1.895E-01	1.442E-01	1.080E-01	7.482E-01	5.076E-01*	3.270E-01	1.986E-01	
124700.	3.567E-01	2.818E-01	2.310E-01	1.848E-01	1.433E-01	1.077E-01	7.835E-01	5.488E-01*	3.688E-01	2.323E-01	1.383E-01	
148900.	2.587E-01	2.142E-01	1.744E-01	1.382E-01	1.064E-01	7.916E-01*	5.698E-01*	3.950E-01	2.607E-01	1.627E-01	9.526E-02	
201200.	1.581E-01	1.310E-01	1.057E-01	8.295E-01*	6.304E-01*	4.624E-01	3.258E-01	2.195E-01	1.405E-01	8.486E-02	4.795E-02	
281600.	8.585E-01*	7.038E-01*	5.612E-01*	4.339E-01	3.242E-01	2.331E-01	1.605E-01	1.052E-01	6.528E-02	3.801E-02	2.058E-02	
442800.	3.173E-01	2.588E-01	2.048E-01	1.567E-01	1.154E-01	8.141E-02	5.478E-02	3.492E-02	2.094E-02	1.171E-02	6.045E-03	
684000.	9.162E-02	7.421E-02	5.811E-02	4.382E-02	3.168E-02	2.164E-02	1.428E-02	8.792E-03	5.058E-03	2.693E-03	1.312E-03	

TABLE 4-1. (Continued)

ANGLE FROM CENTERLINE DIST (METERS)		(DEGREES)											
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	4.657E+03	4.345E+03	3.988E+03	3.594E+03	3.173E+03	2.738E+03	2.302E+03	1.878E+03	1.481E+03	1.123E+03	8.129E+02	.000E+00	
1207.	4.512E+02	3.859E+02	3.219E+02	2.609E+02	2.045E+02	1.543E+02	1.113E+02H	7.614E+01H	4.893E+01H	4.701E+01H	3.354E+01H	8.129E+02	
2012.	1.155E+02	9.240E+01	7.156E+01	5.336E+01H	3.807E+01H	2.770E+01H	2.026E+01G	1.333E+01E	7.810E+00D	4.003E+00C	1.749E+00B	3.354E+01H	
2816.	5.435E+01	4.350E+01	3.375E+01H	2.492E+01G	1.737E+01F	1.133E+01E	6.817E+00D	3.729E+00C	1.817E+00B	4.003E+00C	1.749E+00B	3.354E+01H	
3621.	3.761E+01	2.828E+01H	2.038E+01G	1.397E+01E	9.038E+00	5.453E+00D	3.027E+00C	1.620E+00B	7.592E+01*	2.991E+01	9.501E+02	2.716E+01	
4426.	2.754E+01H	2.024E+01G	1.423E+01	9.502E+00	6.012E+00D	3.530E+00	1.888E+00	9.012E+01	3.742E+01	1.307E+01	3.825E+02	2.716E+01	
5230.	2.115E+01G	1.528E+01F	1.080E+01E	6.967E+00	4.282E+00	2.429E+00C	1.252E+00B	5.752E+01*	2.286E+01	7.605E+02	1.936E+02	3.825E+02	
6035.	1.695E+01F	1.213E+01E	8.260E+00	5.302E+00	3.175E+00	1.756E+00	8.833E+00	3.912E+01	1.484E+01	4.635E+02	1.125E+02	3.825E+02	
6840.	1.397E+01	9.859E+00	6.608E+00	4.175E+00	2.467E+00C	1.335E+00	6.491E+01*	2.773E+01	1.016E+01	3.026E+02	6.930E+03	3.825E+02	
7644.	1.173E+01E	8.171E+00	5.423E+00D	3.387E+00	1.963E+00	1.040E+00B	4.958E+01	2.065E+01	7.262E+02	2.068E+02	4.500E+03	6.930E+03	
8851.	9.297E+00	6.391E+00D	4.170E+00	2.555E+00C	1.448E+00	7.478E+01	3.460E+01	1.390E+01	4.684E+02	1.264E+02	2.553E+03	3.45E+03	
10460.	7.114E+00	4.819E+00	3.081E+00	1.845E+00	1.021E+00B	5.121E+01*	2.286E+01	8.805E+02	2.822E+02	7.167E+03	1.345E+03	6.776E+04	
12470.	5.355E+00D	3.563E+00	2.238E+00C	1.309E+00B	7.034E+01*	3.422E+01	1.468E+01	5.413E+02	1.846E+02	3.918E+03	6.776E+04	3.360E+04	
14890.	4.016E+00	2.621E+00C	1.613E+00	9.214E+01	4.813E+01	2.262E+01	9.366E+02	3.298E+02	9.490E+03	2.108E+03	3.360E+04	3.360E+04	
18110.	2.908E+00	1.857E+00	1.117E+00B	6.219E+01*	3.153E+01	1.429E+01	5.662E+02	1.892E+02	5.108E+03	1.055E+03	1.535E+04	6.782E+05	
22130.	2.074E+00C	1.298E+00B	7.595E+01	4.119E+01	2.024E+01	8.840E+02	3.348E+02	1.063E+02	2.698E+03	5.153E+04	6.782E+05	3.408E+05	
26150.	1.555E+00	9.539E+01	5.493E+01*	2.906E+01	1.388E+01	5.871E+02	2.143E+02	6.504E+03	1.584E+03	2.803E+04	3.408E+05	1.864E+05	
30180.	1.212E+00B	7.368E+01	4.154E+01	2.145E+01	9.975E+02	4.104E+02	1.451E+02	4.229E+03	9.714E+04	1.642E+04	1.864E+05	3.408E+05	
38210.	8.778E+01	5.229E+01*	2.884E+01	1.451E+01	6.553E+02	2.605E+02	8.797E+03	2.431E+03	5.233E+04	8.209E+05	8.510E+06	3.408E+05	
44260.	6.109E+01*	3.540E+01	1.901E+01	9.316E+02	4.074E+02	1.555E+02	5.018E+03	1.313E+03	2.646E+04	3.805E+05	3.537E+06	1.699E+06	
52300.	4.481E+01	2.548E+01	1.342E+01	6.402E+01	2.712E+02	9.983E+03	3.088E+03	7.728E+04	1.477E+04	1.984E+05	1.699E+06	8.909E+07	
60350.	3.404E+01	1.913E+01	9.869E+02	4.800E+02	1.900E+02	6.796E+03	2.030E+03	4.847E+04	8.757E+05	1.111E+05	8.909E+07	4.939E+07	
68400.	2.675E+01	1.476E+01	7.463E+02	3.407E+02	1.381E+02	4.810E+03	1.393E+03	3.218E+04	5.557E+05	6.636E+06	4.939E+07	2.927E+07	
76440.	2.145E+01	1.166E+01	5.820E+02	2.616E+02	1.035E+02	3.507E+03	9.888E+04	2.205E+04	3.668E+05	4.206E+06	2.927E+07	1.820E+07	
84490.	1.751E+01	9.436E+02	4.642E+02	2.048E+02	7.939E+03	2.841E+03	7.233E+04	1.561E+04	2.502E+05	2.730E+06	1.820E+07	1.820E+07	
92540.	1.457E+01	7.753E+02	3.759E+02	1.835E+02	6.244E+03	2.029E+03	5.426E+04	1.139E+04	1.759E+05	1.843E+06	1.159E+07	1.159E+07	
104600.	1.127E+01	5.912E+02	2.818E+02	1.201E+02	4.480E+03	1.416E+03	3.669E+04	7.398E+05	1.091E+05	1.076E+06	6.312E+08	6.312E+08	
124700.	7.699E+02	3.939E+02	1.830E+02	7.593E+03	2.739E+03	8.336E+04	2.056E+04	3.927E+05	5.408E+06	4.916E+07	2.597E+08	2.597E+08	
148900.	5.177E+02	2.587E+02	1.172E+02	4.701E+03	1.630E+03	4.747E+04	1.116E+04	2.019E+05	2.600E+06	2.173E+07	1.035E+08	1.035E+08	
201200.	2.531E+02	1.218E+02	5.256E+03	1.993E+03	6.490E+04	1.761E+04	3.792E+05	6.144E+06	6.971E+07	5.003E+08	.000E+00	.000E+00	
281600.	1.025E+02	4.738E+03	1.954E+03	7.000E+04	2.120E+04	5.254E+05	1.021E+05	1.476E+06	1.449E+07	.000E+00	.000E+00	.000E+00	
442600.	2.847E+03	1.205E+03	4.503E+04	1.454E+04	4.013E+05	8.850E+06	1.476E+06	1.750E+07	1.359E+08	.000E+00	.000E+00	.000E+00	
684000.	5.770E+04	2.254E+04	7.669E+05	2.259E+05	5.914E+06	1.187E+06	1.743E+07	1.765E+08	.000E+00	.000E+00	.000E+00	.000E+00	

TABLE 4-1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	5.572E-02H	3.579E-02H	2.127E-02H	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.918E-01F	8.828E-00D	3.180E-00C	8.507E-01	1.555E-01	1.555E-01	1.715E-02	9.433E-04	1.924E-05	.000E+00	.000E+00	.000E+00
2012.	6.284E-01*	1.765E-01	3.613E-02	3.613E-02	4.879E-03	6.023E-04	2.370E-05	2.007E-07	.000E+00	.000E+00	.000E+00	.000E+00
2816.	8.879E-02	2.137E-02	3.243E-03	2.718E-04	1.019E-05	1.224E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.	2.299E-02	3.913E-03	4.182E-04	2.769E-05	6.759E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4426.	8.531E-03	1.263E-03	1.088E-04	4.492E-06	6.566E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	3.660E-03	4.725E-04	3.558E-05	1.165E-06	1.183E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	1.949E-03	2.168E-04	1.330E-05	3.674E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	1.129E-3	1.140E-04	6.073E-06	1.332E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	6.830E-04	6.457E-05	3.088E-06	5.707E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	3.545E-04	2.967E-05	1.242E-06	1.941E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	1.694E-04	1.242E-05	4.377E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	7.719E-05	4.988E-06	1.475E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	3.460E-05	1.956E-06	4.875E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	1.405E-05	6.862E-07	1.409E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	6.491E-06	2.301E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	2.501E-06	9.159E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	1.256E-06	4.113E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	5.128E-07	1.454E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	1.861E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	7.996E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	3.817E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	1.959E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	1.070E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE 4-2. Early Dose for Pasquill A, 3.0 m/sec, Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	8.556E-02	2.568E-03	4.283E-03	6.002E-03	7.727E-03	9.456E-03	1.119E-04	1.293E-04	1.466E-04	1.639E-04	1.811E-04	.000E+00
2012.	1.837E-03	5.510E-03	9.179E-03	1.284E-04	1.649E-04	2.012E-04	2.372E-04	2.729E-04	3.082E-04	3.429E-04	3.769E-04	1.811E-04
2816.	2.863E-03	8.583E-03	1.428E-04	1.995E-04	2.558E-04	3.114E-04	3.662E-04	4.201E-04	4.728E-04	5.242E-04	5.741E-04	3.769E-04
3621.	3.992E-03	1.197E-04	1.990E-04	2.778E-04	3.558E-04	4.324E-04	5.077E-04	5.813E-04	6.530E-04	7.224E-04	7.892E-04	5.741E-04
4426.	5.142E-03	1.541E-04	2.562E-04	3.573E-04	4.571E-04	5.553E-04	6.513E-04	7.449E-04	8.355E-04	9.229E-04	1.007E-05	7.892E-04
5230.	6.314E-03	1.892E-04	3.144E-04	4.384E-04	5.606E-04	6.805E-04	7.975E-04	9.113E-04	1.021E-05	1.127E-05	1.227E-05	1.007E-05
6035.	7.503E-03	2.248E-04	3.735E-04	5.206E-04	6.654E-04	8.073E-04	9.455E-04	1.080E-05	1.209E-05	1.332E-05	1.450E-05	1.227E-05
6840.	8.706E-03	2.608E-04	4.333E-04	6.037E-04	7.714E-04	9.354E-04	1.095E-05	1.249E-05	1.398E-05	1.540E-05	1.674E-05	1.450E-05
7644.	9.917E-03	2.970E-04	4.934E-04	6.874E-04	8.780E-04	1.064E-05	1.245E-05	1.420E-05	1.588E-05	1.748E-05	1.899E-05	1.674E-05
8851.	1.283E-04	3.841E-04	6.378E-04	8.882E-04	1.134E-05	1.373E-05	1.608E-05	1.829E-05	2.043E-05	2.246E-05	2.438E-05	1.899E-05
10460.	1.576E-04	4.719E-04	7.836E-04	1.091E-05	1.392E-05	1.685E-05	1.969E-05	2.241E-05	2.501E-05	2.748E-05	2.979E-05	2.438E-05
12470.	2.022E-04	6.054E-04	1.005E-05	1.398E-05	1.783E-05	2.158E-05	2.519E-05	2.865E-05	3.195E-05	3.506E-05	3.796E-05	2.979E-05
14890.	2.475E-04	7.409E-04	1.230E-05	1.711E-05	2.181E-05	2.637E-05	3.077E-05	3.497E-05	3.896E-05	4.272E-05	4.622E-05	3.796E-05
18110.	3.414E-04	1.022E-05	1.696E-05	2.358E-05	3.004E-05	3.629E-05	4.231E-05	4.804E-05	5.346E-05	5.854E-05	6.324E-05	4.622E-05
22130.	4.362E-04	1.305E-05	2.165E-05	3.010E-05	3.833E-05	4.629E-05	5.392E-05	6.118E-05	6.802E-05	7.441E-05	8.031E-05	5.854E-05
26150.	5.309E-04	1.589E-05	2.635E-05	3.661E-05	4.660E-05	5.625E-05	6.549E-05	7.428E-05	8.251E-05	9.019E-05	9.726E-05H	6.324E-05
30180.	6.263E-04	1.874E-05	3.107E-05	4.317E-05	5.493E-05	6.628E-05	7.714E-05	8.742E-05H	9.707E-05H	1.060E-06H	1.143E-06G	8.031E-05
36210.	9.006E-04	2.694E-05	4.468E-05	6.201E-05H	7.886E-05H	9.507E-05H	1.05E-06H	1.251E-06G	1.388E-06G	1.514E-06G	1.629E-06F	9.726E-05H
44260.	1.175E-05H	3.515E-05H	5.824E-05H	8.084E-05	1.028E-06G	1.238E-06G	1.438E-06G	1.627E-06	1.803E-06	1.964E-06F	2.112E-06	1.143E-06G
52300.	1.470E-05G	4.398E-05G	7.287E-05G	1.011E-06G	1.285E-06	1.547E-06	1.796E-06F	2.030E-06F	2.248E-06F	2.447E-06	2.628E-06	1.629E-06F
60350.	1.768E-05	5.281E-05	8.748E-05	1.214E-06	1.541E-06F	1.855E-06F	2.153E-06	2.432E-06	2.691E-06	2.928E-06E	3.142E-06E	2.628E-06
68400.	2.027E-05F	6.062E-05F	1.004E-06F	1.392E-06F	1.768E-06	2.128E-06	2.488E-06	2.787E-06	3.082E-06E	3.352E-06	3.595E-06	3.142E-06E
76440.	2.287E-05	6.838E-05	1.132E-06	1.570E-06	1.993E-06	2.398E-06	2.781E-06	3.139E-06E	3.469E-06	3.771E-06	4.043E-06	3.595E-06
84490.	2.541E-05	7.597E-05	1.258E-06	1.744E-06	2.213E-06	2.662E-06E	3.086E-06E	3.482E-06	3.847E-06	4.180E-06	4.479E-06	4.043E-06
92540.	2.792E-05E	8.349E-05E	1.382E-06E	1.918E-06E	2.431E-06E	2.923E-06	3.388E-06	3.821E-06	4.220E-06	4.584E-06	4.909E-06	4.479E-06
104600.	3.275E-05	9.793E-05	1.621E-06	2.247E-06	2.850E-06	3.425E-06	3.967E-06	4.472E-06	4.936E-06	5.358E-06D	5.734E-06D	4.909E-06
124700.	3.967E-05	1.186E-06	1.983E-06	2.719E-06	3.447E-06	4.141E-06	4.794E-06D	5.400E-06D	5.957E-06D	6.480E-06	6.908E-06	5.358E-06D
148900.	4.617E-05D	1.380E-06D	2.284E-06D	3.183E-06D	4.009E-06D	4.814E-06D	5.570E-06	6.271E-06	6.913E-06	7.492E-06	8.005E-06C	6.480E-06
201200.	6.459E-05	1.930E-06	3.193E-06	4.420E-06C	5.599E-06C	6.716E-06C	7.763E-06C	8.730E-06C	9.611E-06C	1.040E-07C	1.110E-07	7.492E-06
281600.	7.916E-05C	2.366E-06C	3.912E-06C	5.414E-06B	6.854E-06B	8.219E-06B	9.495E-06B	1.067E-07B	1.173E-07B	1.269E-07B	1.352E-07B	1.110E-07
442600.	1.042E-06*	3.113E-06*	5.149E-06*	7.124E-06*	9.017E-06*	1.081E-07*	1.248E-07*	1.402E-07*	1.541E-07*	1.665E-07	1.773E-07	1.352E-07B
684000.	1.151E-06	3.441E-06	5.690E-06	7.874E-06	9.968E-06	1.195E-07	1.380E-07	1.550E-07	1.703E-07	1.840E-07	1.959E-07	1.665E-07

TABLE 4-2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.981E-04	2.149E-04	2.313E-04	2.472E-04	2.625E-04	2.771E-04	2.909E-04	3.038E-04	3.157E-04	3.264E-04	3.360E-04
2012.	4.100E-04	4.422E-04	4.731E-04	5.027E-04	5.307E-04	5.569E-04	5.813E-04	6.038E-04	6.237E-04	6.416E-04	6.572E-04
2816.	6.221E-04	6.682E-04	7.120E-04	7.533E-04	7.919E-04	8.278E-04	8.602E-04	8.897E-04	9.159E-04	9.389E-04	9.588E-04
3621.	8.531E-04	9.138E-04	9.711E-04	1.025E-03	1.074E-03	1.119E-03	1.161E-03	1.197E-03	1.229E-03	1.257E-03	1.281E-03
4426.	1.066E-03	1.161E-03	1.232E-03	1.297E-03	1.357E-03	1.412E-03	1.461E-03	1.504E-03	1.542E-03	1.575E-03	1.602E-03
5230.	1.323E-03	1.412E-03	1.496E-03	1.573E-03	1.643E-03	1.707E-03	1.764E-03	1.813E-03	1.857E-03	1.898E-03	1.924E-03
6035.	1.561E-03	1.665E-03	1.761E-03	1.850E-03	1.930E-03	2.003E-03	2.067E-03	2.123E-03	2.171E-03	2.212E-03	2.246E-03
6840.	1.801E-03	1.919E-03	2.028E-03	2.128E-03	2.219E-03	2.300E-03	2.371E-03	2.433E-03	2.486E-03	2.531E-03	2.568E-03
7644.	2.041E-03	2.174E-03	2.295E-03	2.407E-03	2.507E-03	2.598E-03	2.675E-03	2.743E-03	2.800E-03	2.849E-03	2.888E-03
8451.	2.281E-03	2.422E-03	2.543E-03	2.647E-03	2.734E-03	2.802E-03	2.859E-03	2.906E-03	2.943E-03	2.970E-03	2.988E-03
9254.	2.521E-03	2.672E-03	2.793E-03	2.890E-03	2.961E-03	3.018E-03	3.064E-03	3.100E-03	3.127E-03	3.154E-03	3.172E-03
10059.	2.761E-03	2.922E-03	3.043E-03	3.130E-03	3.191E-03	3.237E-03	3.269E-03	3.287E-03	3.302E-03	3.315E-03	3.326E-03
10864.	2.991E-03	3.162E-03	3.283E-03	3.350E-03	3.391E-03	3.418E-03	3.432E-03	3.437E-03	3.442E-03	3.446E-03	3.449E-03
11669.	3.221E-03	3.402E-03	3.523E-03	3.580E-03	3.611E-03	3.628E-03	3.633E-03	3.637E-03	3.640E-03	3.642E-03	3.644E-03
12474.	3.451E-03	3.642E-03	3.763E-03	3.810E-03	3.827E-03	3.832E-03	3.836E-03	3.839E-03	3.841E-03	3.843E-03	3.844E-03
13279.	3.681E-03	3.882E-03	4.003E-03	4.050E-03	4.067E-03	4.072E-03	4.076E-03	4.079E-03	4.081E-03	4.083E-03	4.084E-03
14084.	3.911E-03	4.122E-03	4.243E-03	4.290E-03	4.307E-03	4.312E-03	4.316E-03	4.319E-03	4.321E-03	4.323E-03	4.324E-03
14889.	4.141E-03	4.362E-03	4.483E-03	4.530E-03	4.547E-03	4.552E-03	4.556E-03	4.559E-03	4.561E-03	4.563E-03	4.564E-03
15694.	4.371E-03	4.592E-03	4.713E-03	4.760E-03	4.777E-03	4.782E-03	4.786E-03	4.789E-03	4.791E-03	4.793E-03	4.794E-03
16499.	4.601E-03	4.822E-03	4.943E-03	4.990E-03	5.007E-03	5.012E-03	5.016E-03	5.019E-03	5.021E-03	5.023E-03	5.024E-03
17304.	4.831E-03	5.052E-03	5.173E-03	5.220E-03	5.237E-03	5.242E-03	5.246E-03	5.249E-03	5.251E-03	5.253E-03	5.254E-03
18109.	5.061E-03	5.282E-03	5.403E-03	5.450E-03	5.467E-03	5.472E-03	5.476E-03	5.479E-03	5.481E-03	5.483E-03	5.484E-03
18914.	5.291E-03	5.512E-03	5.633E-03	5.680E-03	5.697E-03	5.702E-03	5.706E-03	5.709E-03	5.711E-03	5.713E-03	5.714E-03
19719.	5.521E-03	5.742E-03	5.863E-03	5.910E-03	5.927E-03	5.932E-03	5.936E-03	5.939E-03	5.941E-03	5.943E-03	5.944E-03
20524.	5.751E-03	5.972E-03	6.093E-03	6.140E-03	6.157E-03	6.162E-03	6.166E-03	6.169E-03	6.171E-03	6.173E-03	6.174E-03
21329.	5.981E-03	6.202E-03	6.323E-03	6.370E-03	6.387E-03	6.392E-03	6.396E-03	6.399E-03	6.401E-03	6.403E-03	6.404E-03
22134.	6.211E-03	6.432E-03	6.553E-03	6.600E-03	6.617E-03	6.622E-03	6.626E-03	6.629E-03	6.631E-03	6.633E-03	6.634E-03
22939.	6.441E-03	6.662E-03	6.783E-03	6.830E-03	6.847E-03	6.852E-03	6.856E-03	6.859E-03	6.861E-03	6.863E-03	6.864E-03
23744.	6.671E-03	6.892E-03	7.013E-03	7.060E-03	7.077E-03	7.082E-03	7.086E-03	7.089E-03	7.091E-03	7.093E-03	7.094E-03
24549.	6.901E-03	7.122E-03	7.243E-03	7.290E-03	7.307E-03	7.312E-03	7.316E-03	7.319E-03	7.321E-03	7.323E-03	7.324E-03
25354.	7.131E-03	7.352E-03	7.473E-03	7.520E-03	7.537E-03	7.542E-03	7.546E-03	7.549E-03	7.551E-03	7.553E-03	7.554E-03
26159.	7.361E-03	7.582E-03	7.703E-03	7.750E-03	7.767E-03	7.772E-03	7.776E-03	7.779E-03	7.781E-03	7.783E-03	7.784E-03
26964.	7.591E-03	7.812E-03	7.933E-03	7.980E-03	7.997E-03	8.002E-03	8.006E-03	8.009E-03	8.011E-03	8.013E-03	8.014E-03
27769.	7.821E-03	8.042E-03	8.163E-03	8.210E-03	8.227E-03	8.232E-03	8.236E-03	8.239E-03	8.241E-03	8.243E-03	8.244E-03
28574.	8.051E-03	8.272E-03	8.393E-03	8.440E-03	8.457E-03	8.462E-03	8.466E-03	8.469E-03	8.471E-03	8.473E-03	8.474E-03
29379.	8.281E-03	8.502E-03	8.623E-03	8.670E-03	8.687E-03	8.692E-03	8.696E-03	8.699E-03	8.701E-03	8.703E-03	8.704E-03
30184.	8.511E-03	8.732E-03	8.853E-03	8.900E-03	8.917E-03	8.922E-03	8.926E-03	8.929E-03	8.931E-03	8.933E-03	8.934E-03
30989.	8.741E-03	8.962E-03	9.083E-03	9.130E-03	9.147E-03	9.152E-03	9.156E-03	9.159E-03	9.161E-03	9.163E-03	9.164E-03
31794.	8.971E-03	9.192E-03	9.313E-03	9.360E-03	9.377E-03	9.382E-03	9.386E-03	9.389E-03	9.391E-03	9.393E-03	9.394E-03
32599.	9.201E-03	9.422E-03	9.543E-03	9.590E-03	9.607E-03	9.612E-03	9.616E-03	9.619E-03	9.621E-03	9.623E-03	9.624E-03
33404.	9.431E-03	9.652E-03	9.773E-03	9.820E-03	9.837E-03	9.842E-03	9.846E-03	9.849E-03	9.851E-03	9.853E-03	9.854E-03
34209.	9.661E-03	9.882E-03	1.000E-02	1.005E-02	1.007E-02	1.008E-02	1.009E-02	1.010E-02	1.011E-02	1.012E-02	1.013E-02
35014.	9.891E-03	1.011E-02	1.023E-02	1.028E-02	1.030E-02	1.031E-02	1.032E-02	1.033E-02	1.034E-02	1.035E-02	1.036E-02
35819.	1.014E-02	1.036E-02	1.048E-02	1.053E-02	1.055E-02	1.056E-02	1.057E-02	1.058E-02	1.059E-02	1.060E-02	1.061E-02
36624.	1.037E-02	1.059E-02	1.071E-02	1.076E-02	1.078E-02	1.079E-02	1.080E-02	1.081E-02	1.082E-02	1.083E-02	1.084E-02
37429.	1.060E-02	1.082E-02	1.094E-02	1.099E-02	1.101E-02	1.102E-02	1.103E-02	1.104E-02	1.105E-02	1.106E-02	1.107E-02
38234.	1.083E-02	1.105E-02	1.117E-02	1.122E-02	1.124E-02	1.125E-02	1.126E-02	1.127E-02	1.128E-02	1.129E-02	1.130E-02
39039.	1.106E-02	1.128E-02	1.140E-02	1.145E-02	1.147E-02	1.148E-02	1.149E-02	1.150E-02	1.151E-02	1.152E-02	1.153E-02
39844.	1.129E-02	1.151E-02	1.163E-02	1.168E-02	1.170E-02	1.171E-02	1.172E-02	1.173E-02	1.174E-02	1.175E-02	1.176E-02
40649.	1.152E-02	1.174E-02	1.186E-02	1.191E-02	1.193E-02	1.194E-02	1.195E-02	1.196E-02	1.197E-02	1.198E-02	1.199E-02
41454.	1.175E-02	1.197E-02	1.209E-02	1.214E-02	1.216E-02	1.217E-02	1.218E-02	1.219E-02	1.220E-02	1.221E-02	1.222E-02
42259.	1.198E-02	1.220E-02	1.232E-02	1.237E-02	1.239E-02	1.240E-02	1.241E-02	1.242E-02	1.243E-02	1.244E-02	1.245E-02
43064.	1.221E-02	1.243E-02	1.255E-02	1.260E-02	1.262E-02	1.263E-02	1.264E-02	1.265E-02	1.266E-02	1.267E-02	1.268E-02
43869.	1.244E-02	1.266E-02	1.278E-02	1.283E-02	1.285E-02	1.286E-02	1.287E-02	1.288E-02	1.289E-02	1.290E-02	1.291E-02
44674.	1.267E-02	1.289E-02	1.301E-02	1.306E-02	1.308E-02	1.309E-02	1.310E-02	1.311E-02	1.312E-02	1.313E-02	1.314E-02
45479.	1.290E-02	1.312E-02	1.324E-02	1.329E-02	1.331E-02	1.332E-02	1.333E-02	1.334E-02	1.335E-02	1.336E-02	1.337E-02
46284.	1.313E-02	1.335E-02	1.347E-02	1.352E-02	1.354E-02	1.355E-02	1.356E-02	1.357E-02	1.358E-02	1.359E-02	1.360E-02
47089.	1.336E-02	1.358E-02	1.370E-02	1.375E-02	1.377E-02	1.378E-02	1.379E-02	1.380E-02	1.381E-02	1.382E-02	1.383E-02
47894.	1.359E-02	1.381E-02	1.393E-02	1.398E-02	1.399E-02	1.400E-02	1.401E-02	1.402E-02	1.403E-02	1.404E-02	1.405E-02
48699.	1.382E-02	1.404E-02	1.416E-02	1.421E-02	1.423E-02	1.424E-02	1.425E-02	1.426E-02	1.427E-02	1.428E-02	1.429E-02
49504.	1.405E-02	1.427E-02	1.439E-02	1.444E-02	1.446E-02	1.447E-02	1.448E-02	1.449E-02	1.450E-02	1.451E-02	1.452E-02
50309.	1.428E-02	1.450E-02	1.462E-02	1.467E-02	1.469E-02	1.470E-02	1.471E-02	1.472E-02	1.473E-02	1.474E-02	1.475E-02
51114.	1.451E-02	1.473E-02	1.485E-02	1.490E-02	1.492E-02	1.493E-02	1.494E-02	1.495E-02	1.496E-02	1.497E-02	1.498E-02
51919.	1.474E-02	1.496E-02	1.508E-02	1.513E-02	1.515E-02	1.516E-02	1.517E-02	1.518E-02	1.519E-02	1.520E-02	1.521E-02
52724.	1.497E-02	1.519E-02	1.531E-02	1.536E-02	1.538E-02	1.539E-02	1.540E-02	1.541E-02	1.542E-02	1.543E-02	1.544E-02
53529.	1.520E-02	1.542E-02	1.554E-02	1.559E-02	1.561E-02	1.562E-02	1.563E-02	1.564E-02	1.565E-02	1.566E-02	1.567E-02
54334.	1.543E-02	1.565E-02	1.577E-02	1.582E-02	1.584E-02	1.585E-02	1.586E-02	1.587E-02	1.588E-02	1.589E-02	1.590E-02
55139.	1.566E-02	1.588E-02	1.600E-02	1.605E-02	1.607E-02	1.608E-02	1.609E-02	1.610E-02	1.611E-02	1.612E-02	1.613E-02
55944.	1.589E-02	1.611E-02	1.623E-02	1.628E-02	1.630E-02	1.631E-02	1.632E-02	1.633E-02	1.634E-02	1.635E-02	1.636E-02
56749.	1.612E-02	1.634E-02	1.646E-02	1.651E-02	1.653E-02	1.654E-02	1.655E-02	1.656E-02	1		

TABLE 4-2. (Continued)

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	3.444E-04	3.516E-04	3.578E-04	3.624E-04	3.662E-04	3.691E-04	3.712E-04H	3.728E-04H	3.735E-04H	3.744E-04H
2012.	6.705E-04	6.816E-04	6.907E-04	6.978E-04H	7.032E-04H	7.073E-04H	7.102E-04G	7.122E-04E	7.135E-04D	7.145E-04C
2816.	9.752E-04	9.889E-04	1.000E-03H	1.009E-03G	1.015E-03F	1.020E-03E	1.023E-03D	1.025E-03C	1.027E-03B	1.028E-03A
3621.	1.301E-05	1.317E-05H	1.329E-05G	1.339E-05F	1.346E-05	1.351E-05D	1.355E-05C	1.357E-05B	1.359E-05A	1.360E-05
4426.	1.624E-05H	1.642E-05G	1.658E-05	1.667E-05	1.675E-05D	1.680E-05	1.684E-05	1.687E-05	1.688E-05	1.689E-05
5230.	1.949E-05G	1.969E-05F	1.984E-05E	1.996E-05	2.004E-05	2.010E-05C	2.014E-05B	2.016E-05A	2.018E-05	2.019E-05
6035.	2.273E-05F	2.294E-05E	2.311E-05	2.323E-05D	2.332E-05	2.338E-05	2.342E-05	2.345E-05	2.347E-05	2.348E-05
6840.	2.597E-05	2.620E-05	2.638E-05	2.650E-05	2.660E-05C	2.666E-05	2.670E-05B	2.673E-05	2.674E-05	2.675E-05
7644.	2.919E-05E	2.944E-05	2.962E-05D	2.976E-05	2.985E-05	2.992E-05B	2.996E-05	2.999E-05	3.000E-05	3.001E-05
8851.	3.684E-05	3.711E-05D	3.732E-05	3.747E-05C	3.757E-05	3.763E-05	3.768E-05	3.771E-05	3.772E-05	3.773E-05
10460.	4.444E-05	4.474E-05	4.497E-05	4.512E-05	4.523E-05B	4.530E-05A	4.535E-05	4.537E-05	4.539E-05	4.540E-05
12470.	5.581E-05D	5.614E-05	5.639E-05C	5.656E-05B	5.667E-05A	5.675E-05	5.679E-05	5.682E-05	5.684E-05	5.685E-05
14890.	6.717E-05	6.753E-05C	6.780E-05	6.798E-05	6.810E-05	6.818E-05	6.822E-05	6.825E-05	6.827E-05	6.828E-05
18110.	9.032E-05	9.075E-05	9.104E-05B	9.124E-05A	9.137E-05	9.145E-05	9.150E-05	9.153E-05	9.155E-05	9.156E-05
22130.	1.133E-06C	1.137E-06B	1.141E-06	1.143E-06	1.144E-06	1.145E-06	1.146E-06	1.146E-06	1.146E-06	1.146E-06
26150.	1.359E-06	1.364E-06	1.367E-06A	1.369E-06	1.371E-06	1.372E-06	1.372E-06	1.373E-06	1.373E-06	1.373E-06
30180.	1.583E-06B	1.589E-06	1.592E-06	1.595E-06	1.596E-06	1.597E-06	1.598E-06	1.598E-06	1.598E-06	1.598E-06
36210.	2.219E-06	2.228E-06A	2.230E-06	2.233E-06	2.234E-06	2.235E-06	2.236E-06	2.236E-06	2.236E-06	2.236E-06
44260.	2.845E-06A	2.852E-06	2.857E-06	2.860E-06	2.862E-06	2.863E-06	2.863E-06	2.863E-06	2.864E-06	2.864E-06
52300.	3.509E-06	3.517E-06	3.522E-06	3.525E-06	3.527E-06	3.528E-06	3.529E-06	3.529E-06	3.529E-06	3.529E-06
60350.	4.164E-06	4.173E-06	4.178E-06	4.181E-06	4.183E-06	4.184E-06	4.185E-06	4.185E-06	4.185E-06	4.185E-06
68400.	4.737E-06	4.748E-06	4.752E-06	4.755E-06	4.757E-06	4.758E-06	4.759E-06	4.759E-06	4.759E-06	4.759E-06
78440.	5.302E-06	5.311E-06	5.317E-06	5.321E-06	5.322E-06	5.323E-06	5.324E-06	5.324E-06	5.325E-06	5.325E-06
84490.	5.849E-06	5.859E-06	5.865E-06	5.868E-06	5.870E-06	5.871E-06	5.872E-06	5.872E-06	5.872E-06	5.872E-06
92540.	6.387E-06	6.397E-06	6.403E-06	6.407E-06	6.409E-06	6.410E-06	6.410E-06	6.410E-06	6.411E-06	6.411E-06
104600.	7.411E-06	7.422E-06	7.429E-06	7.432E-06	7.434E-06	7.435E-06	7.436E-06	7.436E-06	7.436E-06	7.437E-06
124700.	8.859E-06	8.871E-06	8.877E-06	8.881E-06	8.883E-06	8.884E-06	8.885E-06	8.885E-06	8.885E-06	8.886E-06
148900.	1.020E-07	1.021E-07	1.022E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07
201200.	1.395E-07	1.397E-07	1.397E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07
281600.	1.686E-07	1.688E-07	1.688E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07
442600.	2.189E-07	2.190E-07	2.191E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07
684000.	2.411E-07	2.412E-07	2.413E-07	2.413E-07	2.413E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07

TABLE 4-2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.	3.754E+04F	3.755E+04D	3.756E+04C	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04
2012.	7.156E+04*	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04
2818.	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05
3621.	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05
4428.	1.690E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05
5230.	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05
6035.	2.348E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05
6840.	2.676E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05
7644.	3.002E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05
8851.	3.774E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05
10460.	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05
12470.	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05	5.886E+05
14890.	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05
18110.	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05
22130.	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06
26150.	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06
30180.	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06
36210.	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06
44260.	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06
52300.	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06
60350.	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06
68400.	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06
76440.	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06
84490.	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06
92540.	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06
104600.	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06
124700.	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06
148900.	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07
201200.	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07
281800.	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07
442600.	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07
684000.	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07

Although we report a dose of 0.0 rem at the first distance (201 m), this is of no concern since there is no population in this area. Also, because the plume is assumed to be perfectly symmetric about the centerline, it is only necessary to report information on one side of the plume.

Results of our analysis indicate that for evacuation zones with an angle of 70°, there may be individuals who are not evacuated, but who receive doses higher than the PAG level being considered. Such individuals will be found near the intersection of the circular and wedge-shaped evacuation zones, as illustrated in Figure 4-1 by the shaded areas. Using Table 4-1 we can determine what the highest level of exposure will be to an individual not evacuated in a Pasquill A, SST1 accident. The individual at [2816 m, 340] will be evacuated, but the individual at [3621 m, 360] will not. This latter individual will receive a dose of 87.24 rem, a level which well exceeds all of the PAG values considered.

Tables 4-3 through 4-5 show the maximum exposure level received by a person not evacuated for SST1, SST2 and SST3 accidents, respectively, and whether such a person exceeds the specified PAG values. Consider, for example, the scenario defined by Pasquill B/SST1/90°. The nonevacuee receiving the highest dose receives 12.43 rem. Therefore, for evacuations based on a PAG

Table 4-3. Maximum 70-Year Effective Dose for a Nonevacuating Individual: SST1.

Stability	Angle Degree	Max. Dose Not Avoided	PAG Values (REM)							
			0.5	1.0	2.0	5.0	10.0	15.0	20.0	25.0
A	70	87.24	x	x	x	x	x	x	x	x
A	90	28.28	x	x	x	x	x	x	x	x
A	180	0.00	-	-	-	-	-	-	-	-
B	70	76.40	x	x	x	x	x	x	x	x
B	90	12.43	x	x	x	x	x	-	-	-
B	180	0.00	-	-	-	-	-	-	-	-
C	70	39.35	x	x	x	x	x	x	x	x
C	90	1.54	x	x	-	-	-	-	-	-
C	180	0.00	-	-	-	-	-	-	-	-
D	70	4.41	x	x	x	-	-	-	-	-
D	90	0.01	-	-	-	-	-	-	-	-
D	180	0.00	-	-	-	-	-	-	-	-
E	70	0.04	-	-	-	-	-	-	-	-
E	90	0.00	-	-	-	-	-	-	-	-
E	180	0.00	-	-	-	-	-	-	-	-
F	70	0.00	-	-	-	-	-	-	-	-
F	90	0.00	-	-	-	-	-	-	-	-
F	180	0.00	-	-	-	-	-	-	-	-

NOTE: x means PAG value is violated.

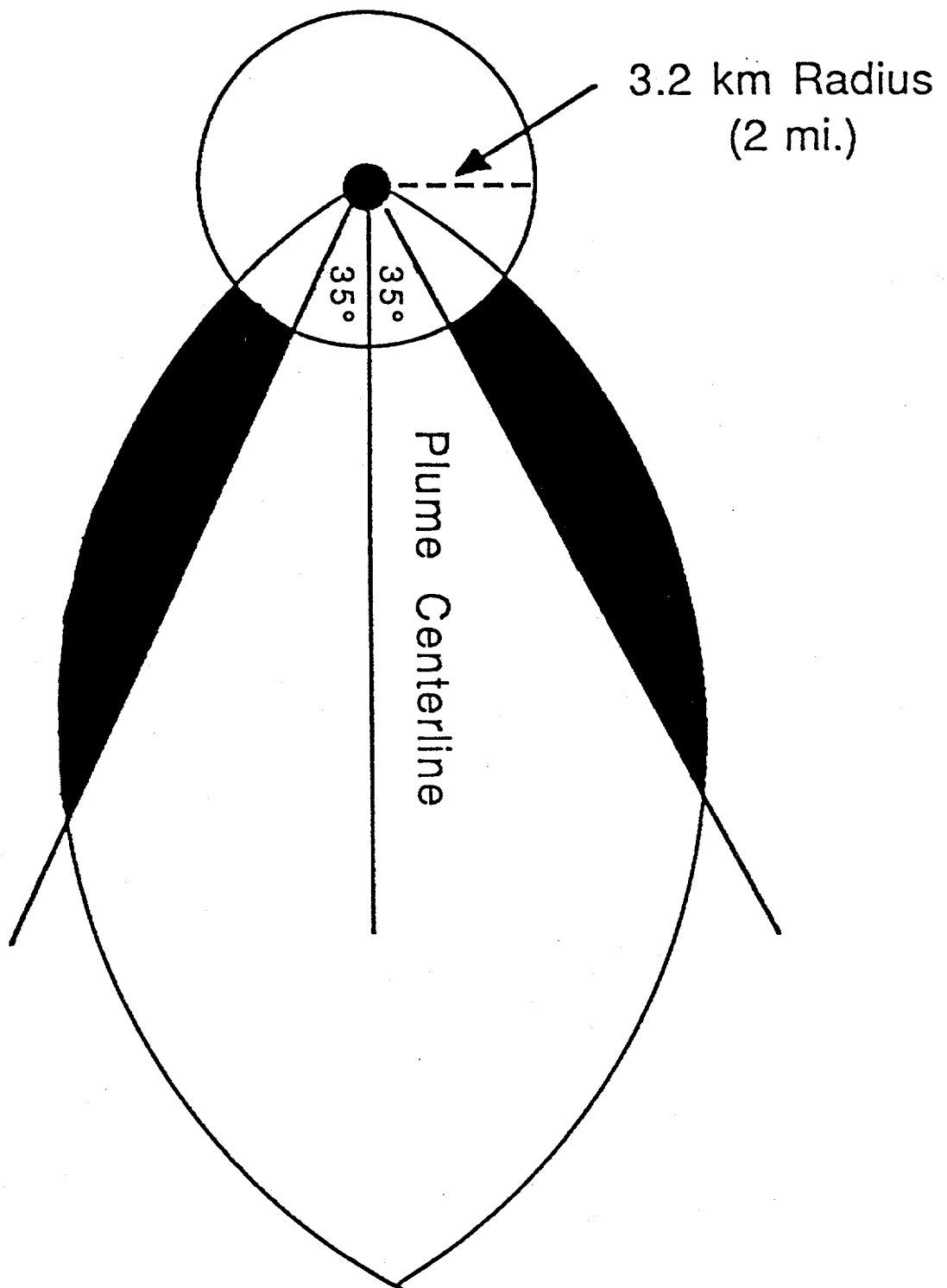


Figure 4-1. Areas Where Exposures Exceed PAG

Table 4-4. Maximum 70-Year Effective Dose for a Nonevacuating Individual: SST2.

Stability	Angle Degree	Max. Dose Not Avoided	PAG Values (REM)							
			0.5	1.0	2.0	5.0	10.0	15.0	20.0	25.0
A	70	2.36	x	x	x	-	-	-	-	-
A	90	0.76	x	-	-	-	-	-	-	-
A	180	0.00	-	-	-	-	-	-	-	-
B	70	2.07	x	x	x	-	-	-	-	-
B	90	0.34	-	-	-	-	-	-	-	-
B	180	0.00	-	-	-	-	-	-	-	-
C	70	1.06	x	x	-	-	-	-	-	-
C	90	0.04	-	-	-	-	-	-	-	-
C	180	0.00	-	-	-	-	-	-	-	-
D	70	0.12	-	-	-	-	-	-	-	-
D	90	0.00	-	-	-	-	-	-	-	-
D	180	0.00	-	-	-	-	-	-	-	-
E	70	0.00	-	-	-	-	-	-	-	-
E	90	0.00	-	-	-	-	-	-	-	-
E	180	0.00	-	-	-	-	-	-	-	-
F	70	0.00	-	-	-	-	-	-	-	-
F	90	0.00	-	-	-	-	-	-	-	-
F	180	0.00	-	-	-	-	-	-	-	-

NOTE: x means PAG value is violated.

value less than 12.43 (viz., 0.5, 1.0, 2.0, 5.0 and 10.0 rem), one or more nonevacuating individuals will receive a dose above the PAG value.

In Tables 4-1 and 4-2, as well in the Appendix A tables, the evacuation distance for a PAG of 25 rem is denoted by a dash to the left of the distance values in column 1. This is provided as a reference point: all evacuations based on lower PAG values will require evacuation to a greater distance.

Immediately to the right of some of the dose values in these tables is a symbol indicating the boundary line for the various PAG values. An asterisk corresponds to a PAG of 0.5 rem, and the letters B through H correspond to PAGs of 1, 2, 5, 10, 15, 20, and 25 rem, respectively. These symbols denote, for each angle and for each PAG, the farthest distance at which the PAG is equalled or exceeded. In Table 4-1 for example, at an angle of 00 and a distance of 442.6 km there is an asterisk to the right of the corresponding dose value of 7.720E-01. The asterisk indicates the boundary line for a PAG of 0.5 rem. At the next distance beyond 442.6 km the 70-year effective dose is less than 0.5 rem. Similarly, the letter B indicates the boundary line

Table 4-5. Maximum 70-Year Effective Dose for a Nonevacuating Individual: SST3.

Stability	Angle Degree	Max. Dose Not Avoided	PAG Values (REM)							
			0.5	1.0	2.0	5.0	10.0	15.0	20.0	25.0
A	70	0.03	-	-	-	-	-	-	-	-
A	90	0.01	-	-	-	-	-	-	-	-
A	180	0.00	-	-	-	-	-	-	-	-
B	70	0.03	-	-	-	-	-	-	-	-
B	90	0.01	-	-	-	-	-	-	-	-
B	180	0.00	-	-	-	-	-	-	-	-
C	70	0.02	-	-	-	-	-	-	-	-
C	90	0.00	-	-	-	-	-	-	-	-
C	180	0.00	-	-	-	-	-	-	-	-
D	70	0.01	-	-	-	-	-	-	-	-
D	90	0.00	-	-	-	-	-	-	-	-
D	180	0.00	-	-	-	-	-	-	-	-
E	70	0.00	-	-	-	-	-	-	-	-
E	90	0.00	-	-	-	-	-	-	-	-
E	180	0.00	-	-	-	-	-	-	-	-
F	70	0.00	-	-	-	-	-	-	-	-
F	90	0.00	-	-	-	-	-	-	-	-
F	180	0.00	-	-	-	-	-	-	-	-

NOTE: x means PAG value is violated.

between a dose of one rem or greater and a dose less than one rem. One can produce the shape and dimensions of the plume by plotting each distance and angle where a PAG boundary is denoted.

In many cases, an asterisk or letter is missing from a column. The reason for this is that a single distance provides the boundary for more than one PAG value. If a symbol is missing, then the PAG value associated with that symbol shares a boundary line with the next "larger" (alphabetically higher) symbol that is visible. For example, looking again at Table 4-1 at the intersection of 281.6 km and 0°, there is no symbol B, but the larger symbol C is visible. This indicates that the boundary line for the PAG corresponding to both B and C (one rem and two rem) share this common boundary. This is easily verified by noting that both of these PAG values are greater than 0.772 rem and less than 2.122 rem.

As we have seen, Table 4-1 reports the dose for a single individual at the centroid of a grid element. Table 4-2, on the other hand, reports the cumulative effective dose commitment for the entire population. Table 4-2 was derived from Table 4-1 using the area and population weights developed in Section 3.2, Equation (10). In particular, each cell in Table 4-1 was first multiplied by the corresponding population weight. This produced the estimated

70-year effective dose commitment that the population avoided by evacuating from the grid element represented by that cell. Next, the entries were adjusted to include the population on both sides of the centerline. Finally, each entry was expressed as the cumulative effective dose commitment out to that point. In other words, if one were to add up the dose commitment to the population in each grid element to the left and above the one in question, and then adjust this sum to account for both halves of the evacuation zone, the result would be the cumulative effective dose commitment shown in Table 4-2.

The Appendix A tables can be used to determine the dose avoided for evacuation scenarios based on a large variety of evacuation zones. The steps are as follows:

- From the individual dose table for the selected SST value and meteorology, identify the evacuation distance for the PAG value to be evaluated.
- From the corresponding table for cumulative effective dose, find the cumulative dose avoided for the evacuation wedge; subtract from this wedge the cumulative dose within the 3.2 km (or other radius) circle.
- Find the cumulative dose avoided for the evacuation circle
- Compute the dose avoided from the following relationship:
Dose avoided = (dose for wedge - dose for the wedge within the circle) + dose for the circle.

For an example, refer to Tables 4-1 and 4-2. The evacuation midpoint distance for a PAG value of 0.5 is 442,600 meters. This value is identified by an asterisk in the 0° column of Table 4-1. For a 70° evacuation zone, refer to the 34° column in Table 4-2. The cumulative dose avoided for the wedge contained within this angle and extending out to the midpoint distance of 442,600 meters is 2.149E+07 rem. The dose for this wedge lying within the 3.2-km circle is found to be 8.602E+04. Finally, the cumulative dose avoided for the whole circle (found in the 86° column) is 1.029E+05. Using the above relationship, the resulting cumulative dose avoided is computed to be 2.1511E+07 rem.

The Appendix A tables together with the population weights in Table 3-3 and the evacuation cost per person, make it possible to determine the cost per dose avoided for various scenarios. The cost to evacuate an area is:

$$\text{Total cost} = \$185 [(180 \cdot P_c) + (\theta \cdot (P_w - P_c))] \quad (11)$$

where:

\$185 = cost (in 1982 dollars) to evacuate an individual

180 = number of 2° sectors in the evacuation circle

P_c = population within a 2° width, where c corresponds to the evacuation circle radius

θ = number of 20° sectors in the evacuation zone

P_w = population within a 20° width, where w corresponds to evacuation wedge distance

Dividing the cumulative dose avoided by the total evacuation cost will yield the average cost per dose avoided (\$/rem).

To illustrate these calculations consider again the Pasquill A, SST1, 70° evacuation scenario. From Table 3-3, the population weight for the circle radius is 6 while that for the wedge is 480,908. The number of 20° sectors for a 70° evacuation angle is 35. Thus, a population of 16.833 million is evacuated at a total cost of \$3.11 billion. With a cumulative dose avoided equal to 21.511 million rem the average cost per dose avoided equals \$144.77/rem.

For each of the 54 scenarios evaluated in this report, results similar to the one just calculated are presented in summary tables in Appendix B. Due to the methodological limitations described earlier, the results in these tables for the 180° evacuation zones are shown as 178° angles. For purposes of illustration, summary results for the Pasquill A/SST1/ 70° scenario are shown in Table 4-6.

It can be seen from Table 4-6 that the evacuation zone distance extends to 563.4 km for a PAG of 0.5 rem but drops to only 48.3 km for a PAG of 25 rem. For a PAG of 0.5 rem the dose avoided by evacuation is 21.511 million rem, and 16.833 million people are evacuated from an area of 193,910 km^2 ; for a PAG of 25 rem, the avoided dose is 2.7471 million rem, with 104,310 people evacuated from an area of 1,449 km^2 . The evacuation cost for the 0.5 rem PAG is \$3.11 billion with a cost per dose avoided of \$144.77/rem; the evacuation cost for the 25 rem PAG is \$19.3 million with a cost per dose avoided of just over \$7/rem. The results presented in the Appendix B tables for all 54 scenarios are interpreted similarly.

In some SST3 releases, the evacuation zone does not extend beyond the 3.2-km boundary. Even in these cases, however, we assume that all population is evacuated from within the 3.2 km circle boundary.

To calculate the incremental cost and the incremental dose between two different PAG values, we simply compute the difference in their evacuation costs and the difference in their doses avoided. Dividing the first difference by the second difference will result in the incremental cost per dose avoided when going from the higher PAG value to the lower PAG value. Table 4-7 provides these calculations for the previous example. Similar results for the 54 scenarios are provided in tables in Appendix C. All costs in the appendix tables are expressed in 1982 dollars.

TABLE 4-6 Evacuation Results, Pasquill A, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.8338E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04
DOSE AVOIDED (REM)	2.1511E+07	DOSE AVOIDED (REM)	6.2070E+06
EVACUATION AREA (SQ M)	1.9391E+11	EVACUATION AREA (SQ M)	5.7225E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.4533E+01
NUMBER OF PEOPLE EVACUATED	1.6833E+07	NUMBER OF PEOPLE EVACUATED	4.8396E+05
COST OF THE EVACUATION (\$)	3.1140E+09	COST OF THE EVACUATION (\$)	8.9533E+07
COST PER REM AVOIDED (\$/REM)	1.4476E+02	COST PER REM AVOIDED (\$/REM)	1.4425E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04
DOSE AVOIDED (REM)	1.6535E+07	DOSE AVOIDED (REM)	4.5923E+06
EVACUATION AREA (SQ M)	6.3289E+10	EVACUATION AREA (SQ M)	3.2259E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6629E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2845E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06	NUMBER OF PEOPLE EVACUATED	2.6736E+05
COST OF THE EVACUATION (\$)	1.0147E+09	COST OF THE EVACUATION (\$)	4.9462E+07
COST PER REM AVOIDED (\$/REM)	6.1367E+01	COST PER REM AVOIDED (\$/REM)	1.0771E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.6535E+07	DOSE AVOIDED (REM)	3.3933E+06
EVACUATION AREA (SQ M)	6.3289E+10	EVACUATION AREA (SQ M)	1.9602E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6629E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.7927E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06	NUMBER OF PEOPLE EVACUATED	1.5282E+05
COST OF THE EVACUATION (\$)	1.0147E+09	COST OF THE EVACUATION (\$)	2.8271E+07
COST PER REM AVOIDED (\$/REM)	6.1367E+01	COST PER REM AVOIDED (\$/REM)	8.3314E+00

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04
DOSE AVOIDED (REM)	9.9574E+06	DOSE AVOIDED (REM)	2.7471E+06
EVACUATION AREA (SQ M)	1.5862E+10	EVACUATION AREA (SQ M)	1.4494E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6004E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.1934E+01
NUMBER OF PEOPLE EVACUATED	1.3648E+06	NUMBER OF PEOPLE EVACUATED	1.0431E+05
COST OF THE EVACUATION (\$)	2.5248E+08	COST OF THE EVACUATION (\$)	1.9297E+07
COST PER REM AVOIDED (\$/REM)	2.5356E+01	COST PER REM AVOIDED (\$/REM)	7.0245E+00

TABLE 4-7 Total and Marginal Costs for Implementation of PAGs for Pasquill A.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	3.11E+09	2.15E+07	144.76			
		1	1.01E+09	1.65E+07	61.37	2.10E+09	4.98E+06	421.89
		2	1.01E+09	1.65E+07	61.37	0.00E+00	0.00E+00	0.00
		5	2.52E+08	9.98E+06	25.36	7.62E+08	6.58E+06	115.88
		10	8.95E+07	6.21E+06	14.43	1.63E+08	3.75E+06	43.45
		15	4.95E+07	4.59E+06	10.77	4.01E+07	1.61E+06	24.82
		20	2.83E+07	3.39E+06	8.33	2.12E+07	1.20E+06	17.67
		25	1.93E+07	2.75E+06	7.02	8.97E+06	6.46E+05	13.89
SST1	90	0.5	8.17E+09	2.16E+07	377.75			
		1	4.00E+09	1.90E+07	211.10	4.17E+09	2.66E+06	1565.98
		2	1.30E+09	1.40E+07	92.88	2.70E+09	4.92E+06	548.60
		5	7.33E+08	1.15E+07	63.58	5.72E+08	2.52E+06	226.92
		10	2.33E+08	7.39E+06	31.59	4.99E+08	4.13E+06	120.76
		15	9.62E+07	5.07E+06	18.98	1.37E+08	2.33E+06	59.06
		20	6.35E+07	4.23E+06	15.03	3.26E+07	8.40E+05	38.82
		25	3.63E+07	3.31E+06	10.97	2.72E+07	9.19E+05	29.66
SST1	178	0.5	7.92E+09	2.19E+07	361.23			
		1	2.58E+09	1.69E+07	152.75	5.34E+09	5.03E+06	1061.27
		2	2.58E+09	1.69E+07	152.75	0.00E+00	0.00E+00	0.00
		5	6.42E+08	1.02E+07	62.73	1.94E+09	6.66E+06	291.03
		10	2.27E+08	6.41E+06	35.46	4.14E+08	3.82E+06	108.50
		15	1.25E+08	4.76E+06	26.36	1.02E+08	1.65E+06	61.68
		20	7.16E+07	3.53E+06	20.28	5.39E+07	1.23E+06	43.81
		25	4.88E+07	2.86E+06	17.02	2.28E+07	6.65E+05	34.32
SST2	70	0.5	2.83E+07	8.97E+04	315.18			
		1	6.68E+06	4.06E+04	164.48	2.16E+07	4.91E+04	440.05
		2	1.49E+06	1.73E+04	86.05	5.19E+06	2.33E+04	222.89
		5	2.99E+05	5.22E+03	57.23	1.19E+06	1.21E+04	98.44
		10	2.02E+05	2.78E+03	72.59	9.70E+04	2.44E+03	39.74
		15	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		20	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		25	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
SST2	90	0.5	3.63E+07	9.29E+04	390.57			
		1	8.54E+06	4.24E+04	201.30	2.78E+07	5.05E+04	549.51
		2	1.86E+06	1.82E+04	102.26	6.68E+06	2.42E+04	275.78
		5	3.26E+05	5.41E+03	60.34	1.54E+06	1.28E+04	119.97
		10	2.02E+05	2.78E+03	72.59	1.25E+05	2.63E+03	47.41
		15	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		20	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		25	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
SST2	178	0.5	7.16E+07	9.33E+04	767.19			
		1	1.67E+07	4.27E+04	391.09	5.49E+07	5.06E+04	1084.16
		2	3.48E+06	1.84E+04	189.80	1.32E+07	2.43E+04	543.12
		5	4.48E+05	5.46E+03	82.18	3.04E+06	1.29E+04	235.29
		10	2.02E+05	2.78E+03	72.57	2.47E+05	2.68E+03	92.15
		15	2.02E+05	2.78E+03	72.57	0.00E+00	0.00E+00	0.00
		20	2.02E+05	2.78E+03	72.57	0.00E+00	0.00E+00	0.00
		25	2.02E+05	2.78E+03	72.57	0.00E+00	0.00E+00	0.00

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TABLE A.1.1. Early Dose for Pasquill A, 3.0 m/sec, Release Term is SST1:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
201. 604. 1207. 2012. 2816. 3621. 4426. 5230. 6035. 6840. 7644. 8451. 10480. 12470. 14890. 18110. 22130. 26150. 30180. 36210. 44260. 52300. 60350. 68400. 84490. 92540. 104600. 124700. 148900. 201200. 281600. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00</

TABLE A.1.1. (Continued)

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	4.712E-03	4.902E-03	5.071E-03	5.211E-03	5.317E-03	5.381E-03	5.397E-03	5.362E+03	5.271E-03	5.123E-03
1207.	9.151E-02	9.007E-02	8.810E-02	8.557E-02	8.243E-02	7.867E-02	7.429E-02	6.932E-02	6.383E-02	5.788E-02
2012.	3.772E-02	3.597E-02	3.403E-02	3.191E-02	2.962E-02	2.718E-02	2.462E-02	2.198E-02	1.930E-02	1.664E-02
2816.	2.494E-02	2.327E-02	2.150E-02	1.965E-02	1.778E-02	1.584E-02	1.392E-02	1.204E-02	1.022E-02	8.490E-03
3621.	1.935E-02	1.793E-02	1.644E-02	1.490E-02	1.334E-02	1.177E-02	1.022E-02	8.724E-03	7.298E-03	5.998E-03
4426.	1.579E-02	1.455E-02	1.326E-02	1.193E-02	1.060E-02	9.278E-03	7.977E-03	6.768E-03	5.627E-03	4.570E-03
5230.	1.332E-02	1.222E-02	1.108E-02	9.923E-03	8.780E-03	7.613E-03	6.534E-03	5.499E-03	4.522E-03	3.623E-03
6035.	1.150E-02	1.051E-02	9.492E-03	8.459E-03	7.430E-03	6.449E-03	5.495E-03	4.589E-03	3.735E-03	2.962E-03
6840.	1.011E-02	9.207E-03	8.285E-03	7.354E-03	6.452E-03	5.568E-03	4.711E-03	3.902E-03	3.153E-03	2.478E-03
7644.	9.005E-03	8.180E-03	7.336E-03	6.504E-03	5.680E-03	4.875E-03	4.103E-03	3.377E-03	2.711E-03	2.124E-03
8451.	7.762E-03	7.018E-03	6.271E-03	5.521E-03	4.783E-03	4.083E-03	3.418E-03	2.793E-03	2.224E-03	1.721E-03
10460.	6.520E-03	5.879E-03	5.228E-03	4.579E-03	3.944E-03	3.332E-03	2.769E-03	2.247E-03	1.775E-03	1.358E-03
12470.	5.418E-03	4.864E-03	4.305E-03	3.749E-03	3.208E-03	2.692E-03	2.215E-03	1.783E-03	1.394E-03	1.064E-03
14890.	4.484E-03	4.007E-03	3.527E-03	3.054E-03	2.596E-03	2.162E-03	1.764E-03	1.406E-03	1.088E-03	8.135E-03
16110.	3.632E-03	3.230E-03	2.827E-03	2.432E-03	2.052E-03	1.695E-03	1.366E-03	1.076E-03	8.235E-03	6.078E-03
22130.	2.915E-03	2.578E-03	2.243E-03	1.918E-03	1.604E-03	1.313E-03	1.047E-03	8.161E-03	6.162E-03	4.487E-03
26150.	2.415E-03	2.125E-03	1.838E-03	1.561E-03	1.298E-03	1.054E-03	8.387E-03	6.481E-03	4.839E-03	3.475E-03
30180.	2.049E-03	1.796E-03	1.546E-03	1.306E-03	1.080E-03	8.755E-03	6.909E-03	5.286E-03	3.905E-03	2.771E-03
36210.	1.685E-03	1.452E-03	1.244E-03	1.044E-03	8.563E-03	6.852E-03	5.338E-03	4.047E-03	2.958E-03	2.074E-03
44280.	1.315E-03	1.140E-03	9.703E-03	8.083E-03	6.579E-03	5.217E-03	4.017E-03	3.002E-03	2.168E-03	1.499E-03
52300.	1.071E-03	9.240E-03	7.814E-03	6.465E-03	5.221E-03	4.105E-03	3.150E-03	2.337E-03	1.668E-03	1.136E-03
60350.	8.954E-03	7.686E-03	6.466E-03	5.318E-03	4.268E-03	3.349E-03	2.547E-03	1.869E-03	1.317E-03	8.856E-03
68400.	7.630E-03	6.524E-03	5.483E-03	4.470E-03	3.562E-03	2.790E-03	2.104E-03	1.529E-03	1.067E-03	7.094E-03
76440.	6.599E-03	5.622E-03	4.689E-03	3.831E-03	3.053E-03	2.362E-03	1.768E-03	1.275E-03	8.822E-03	5.843E-03
84490.	5.773E-03	4.902E-03	4.079E-03	3.321E-03	2.633E-03	2.025E-03	1.507E-03	1.079E-03	7.440E-03	4.880E-03
92540.	5.098E-03	4.313E-03	3.583E-03	2.905E-03	2.292E-03	1.755E-03	1.298E-03	9.276E-03	6.343E-03	4.124E-03
104600.	4.310E-03	3.636E-03	2.999E-03	2.413E-03	1.895E-03	1.442E-03	1.060E-03	7.482E-03	5.078E-03	3.270E-03
124700.	3.567E-03	2.818E-03	2.310E-03	1.849E-03	1.433E-03	1.077E-03	7.835E-03	5.488E-03	3.668E-03	2.323E-03
148900.	2.867E-03	2.142E-03	1.744E-03	1.382E-03	1.064E-03	7.916E-03	5.698E-03	3.950E-03	2.607E-03	1.627E-03
201200.	1.581E-03	1.310E-03	1.057E-03	8.295E-03	6.304E-03	4.824E-03	3.258E-03	2.195E-03	1.405E-03	8.486E-02
281800.	8.585E-03	7.036E-03	5.612E-03	4.339E-03	3.242E-03	2.331E-03	1.605E-03	1.052E-03	6.528E-03	3.801E-02
442800.	3.173E-03	2.588E-03	2.048E-03	1.567E-03	1.154E-03	8.141E-02	5.478E-02	3.492E-02	2.094E-02	1.171E-02
684000.	9.162E-02	7.421E-02	5.811E-02	4.382E-02	3.168E-02	2.164E-02	1.428E-02	8.792E-03	5.058E-03	2.693E-03

TABLE A.1.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)											
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	4.657E+03	4.345E+03	3.988E+03	3.594E+03	3.173E+03	2.738E+03	2.302E+03	1.878E+03	1.481E+03	1.123E+03	8.129E+02	.000E+00
1207.	4.512E+02	3.859E+02	3.219E+02	2.609E+02	2.045E+02	1.543E+02	1.113E+02H	7.614E+01H	4.893E+01H	4.701E+01H	3.354E+01H	3.354E+01H
2012.	1.155E+02	9.240E+01	7.158E+01	5.386E+01H	3.807E+01H	2.770E+01H	2.026E+01G	1.333E+01E	7.810E+00D	4.003E+00C	1.749E+00B	1.749E+00B
2816.	5.435E+01	4.350E+01	3.375E+01H	2.492E+01G	1.737E+01F	1.133E+01E	6.817E+00D	3.729E+00C	1.817E+00B	7.678E+01*	2.718E+01*	2.718E+01*
3621.	3.781E+01	2.828E+01H	2.038E+01G	1.397E+01E	9.038E+00D	5.453E+00D	3.027E+00C	1.620E+00B	7.592E+01*	2.991E+01*	9.501E+01	9.501E+01
4426.	2.764E+01H	2.024E+01G	1.423E+01F	9.502E+00D	6.012E+00D	3.630E+00D	2.429E+00C	1.252E+00B	5.752E+01*	2.286E+01*	7.505E+01	7.505E+01
5230.	2.115E+01G	1.528E+01F	1.060E+01E	6.967E+00D	4.282E+00D	2.769E+00D	1.768E+00D	8.833E+01	3.912E+01	1.464E+01	4.635E+02	1.125E+02
6035.	1.695E+01F	1.213E+01E	8.260E+00D	5.302E+00D	3.175E+00D	1.768E+00D	8.833E+01	3.912E+01	1.464E+01	4.635E+02	1.125E+02	1.125E+02
6840.	1.397E+01	9.859E+00	6.808E+00	4.175E+00	2.467E+00C	1.335E+00D	6.491E+01*	2.773E+01	1.016E+01	3.028E+02	6.930E+03	6.930E+03
7644.	1.173E+01E	8.171E+00D	5.423E+00D	3.387E+00D	1.983E+00D	1.040E+00B	4.958E+01	2.065E+01	7.262E+02	2.068E+02	4.500E+03	4.500E+03
8851.	9.297E+00	6.391E+00D	4.170E+00D	2.555E+00C	1.448E+00D	7.478E+01	3.460E+01	1.390E+01	4.684E+02	1.284E+02	2.553E+03	2.553E+03
10460.	7.114E+00	4.819E+00	3.081E+00	1.845E+00	1.021E+00B	5.121E+01*	2.286E+01	8.805E+02	2.822E+02	7.167E+03	1.345E+03	1.345E+03
12470.	5.355E+00D	3.583E+00	2.238E+00C	1.309E+00B	7.034E+01*	3.422E+01	1.468E+01	5.413E+02	1.646E+02	3.918E+03	6.776E+04	6.776E+04
14890.	4.018E+00	2.821E+00C	1.613E+00B	9.214E+01	4.813E+01	2.282E+01	9.368E+02	3.298E+02	9.490E+03	2.108E+03	3.360E+04	3.360E+04
18110.	2.908E+00	1.857E+00	1.117E+00B	6.219E+01*	3.153E+01	1.429E+01	5.662E+02	1.892E+02	5.108E+03	1.055E+03	1.535E+04	1.535E+04
22130.	2.074E+00C	1.298E+00B	7.595E+01	4.119E+01	2.024E+01	8.840E+02	3.948E+02	1.083E+02	2.698E+03	5.153E+04	6.782E+05	6.782E+05
26150.	1.558E+00	9.538E+01	5.493E+01*	2.908E+01	1.388E+01	5.871E+02	2.143E+02	6.504E+03	1.564E+03	2.803E+04	4.308E+05	4.308E+05
30180.	1.212E+00B	7.366E+01	4.154E+01	2.145E+01	9.975E+02	4.104E+02	1.451E+02	4.229E+03	9.714E+04	1.842E+04	1.864E+05	1.864E+05
36210.	8.778E+01	5.229E+01*	2.884E+01	1.451E+01	6.553E+02	2.605E+02	8.797E+03	2.431E+03	5.233E+04	8.209E+05	8.510E+06	8.510E+06
44260.	6.109E+01*	3.540E+01	1.901E+01	9.316E+02	4.074E+02	1.555E+02	5.018E+03	1.313E+03	2.646E+04	3.805E+05	3.537E+06	3.537E+06
52300.	4.481E+01	2.548E+01	1.342E+01	6.402E+02	2.712E+02	9.983E+03	3.088E+03	7.726E+04	1.477E+04	1.984E+05	1.699E+06	1.699E+06
60350.	3.404E+01	1.913E+01	9.869E+02	4.600E+02	1.900E+02	6.798E+03	2.030E+03	4.847E+04	8.757E+05	1.111E+06	8.909E+07	8.909E+07
68400.	2.675E+01	1.476E+01	7.483E+02	3.407E+02	1.381E+02	4.810E+03	1.393E+03	3.218E+04	5.557E+05	6.636E+06	4.939E+07	4.939E+07
76440.	2.145E+01	1.166E+01	5.820E+02	2.616E+02	1.035E+02	3.507E+03	9.888E+04	2.205E+04	3.668E+06	4.206E+06	2.927E+07	2.927E+07
84490.	1.751E+01	9.486E+02	4.842E+02	2.048E+02	7.939E+03	2.641E+03	7.233E+04	1.581E+04	2.502E+05	2.730E+06	1.820E+07	1.820E+07
92540.	1.457E+01	7.753E+02	3.759E+02	1.635E+02	6.244E+03	2.029E+03	6.426E+04	1.139E+06	1.759E+06	1.843E+06	1.159E+07	1.159E+07
104600.	1.127E+01	5.912E+02	2.818E+02	1.201E+02	4.480E+03	1.418E+03	3.669E+04	7.398E+05	1.091E+06	1.078E+06	6.312E+08	6.312E+08
124700.	7.699E+02	3.939E+02	1.830E+02	7.593E+03	2.759E+03	8.338E+04	2.058E+04	3.927E+05	5.408E+06	4.916E+07	2.597E+08	2.597E+08
148900.	5.177E+02	2.587E+02	1.172E+02	4.701E+03	1.680E+03	4.747E+04	1.116E+04	2.016E+05	2.600E+06	2.173E+07	1.035E+08	1.035E+08
201200.	2.531E+02	1.218E+02	5.256E+03	1.993E+03	6.490E+06	1.761E+04	3.792E+06	6.144E+06	6.971E+07	5.003E+08	.000E+00	.000E+00
281600.	1.026E+02	4.738E+03	1.954E+03	7.000E+04	2.120E+04	5.254E+05	1.021E+05	1.478E+07	1.449E+07	.000E+00	.000E+00	.000E+00
442600.	2.847E+03	1.205E+03	4.503E+04	1.454E+04	4.013E+05	8.860E+06	1.476E+06	1.760E+07	1.359E+08	.000E+00	.000E+00	.000E+00
684000.	5.770E+04	2.254E+04	7.869E+05	2.259E+05	5.914E+06	1.187E+06	1.743E+07	1.755E+08	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.1.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	5.572E+02H	3.579E+02H	2.127E+02H	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.918E+01F	8.828E+00D	3.180E+00C	8.507E-01	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2012.	6.284E-01*	1.765E-01	3.613E-02	4.879E-03	6.023E-04	1.555E-01	1.715E-02	9.433E-04	1.924E-05	.000E+00	.000E+00	.000E+00	.000E+00
2816.	8.879E-02	2.137E-02	3.243E-03	2.718E-04	1.019E-05	1.224E-07	.000E+00	2.007E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3821.	2.299E-02	3.913E-03	4.182E-04	2.769E-05	6.759E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4426.	8.531E-03	1.263E-03	1.088E-04	4.492E-06	6.588E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	3.680E-03	4.725E-04	3.558E-05	1.165E-06	1.183E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	1.949E-03	2.168E-04	1.330E-05	3.674E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	1.129E-03	1.140E-04	6.073E-06	1.332E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7844.	6.830E-04	6.457E-05	3.088E-06	6.707E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	3.545E-04	2.967E-05	1.242E-06	1.941E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	1.894E-04	1.242E-05	4.377E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	7.719E-05	4.988E-06	1.475E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	3.480E-05	1.958E-06	4.875E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	1.405E-05	6.862E-07	1.409E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	5.491E-06	2.301E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	2.501E-06	9.159E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	1.256E-06	4.113E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	5.128E-07	1.454E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	1.861E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	7.998E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	3.817E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	1.959E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
78440.	1.070E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.1.2 Early Dose for Pasquill A, 3.0 m/sec, Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	8.558E-02	2.568E-03	4.283E-03	6.002E-03	7.727E-03	9.456E-03	1.119E-04	1.293E-04	1.466E-04	1.639E-04	1.811E-04	1.984E-04
2012.	1.837E-03	5.610E-03	9.179E-03	1.284E-04	1.649E-04	2.012E-04	2.372E-04	2.729E-04	3.082E-04	3.429E-04	3.769E-04	4.109E-04
2816.	2.863E-03	8.583E-03	1.428E-04	1.995E-04	2.558E-04	3.114E-04	3.662E-04	4.201E-04	4.728E-04	5.242E-04	5.741E-04	6.239E-04
3621.	3.992E-03	1.197E-04	1.990E-04	2.778E-04	3.558E-04	4.324E-04	5.077E-04	5.813E-04	6.530E-04	7.224E-04	7.892E-04	8.540E-04
4426.	5.142E-03	1.541E-04	2.582E-04	3.573E-04	4.571E-04	5.53E-04	6.513E-04	7.449E-04	8.355E-04	9.229E-04	1.007E-05	1.087E-05
5230.	6.314E-03	1.892E-04	3.144E-04	4.384E-04	5.608E-04	6.805E-04	7.975E-04	9.113E-04	1.021E-05	1.127E-05	1.227E-05	1.327E-05
6035.	7.503E-03	2.248E-04	3.735E-04	5.208E-04	6.654E-04	8.073E-04	9.455E-04	1.080E-05	1.209E-05	1.332E-05	1.450E-05	1.568E-05
6840.	8.706E-03	2.608E-04	4.333E-04	6.037E-04	7.714E-04	9.354E-04	1.095E-05	1.249E-05	1.398E-05	1.540E-05	1.674E-05	1.802E-05
7644.	9.917E-03	2.970E-04	4.934E-04	6.874E-04	8.780E-04	1.064E-05	1.245E-05	1.420E-05	1.588E-05	1.748E-05	1.899E-05	2.050E-05
8451.	1.283E-04	3.841E-04	6.378E-04	8.882E-04	1.134E-05	1.373E-05	1.608E-05	1.829E-05	2.043E-05	2.246E-05	2.438E-05	2.629E-05
10460.	1.578E-04	4.719E-04	7.836E-04	1.091E-05	1.392E-05	1.685E-05	1.969E-05	2.241E-05	2.501E-05	2.748E-05	2.979E-05	3.209E-05
12470.	2.022E-04	6.054E-04	1.005E-05	1.398E-05	1.783E-05	2.158E-05	2.519E-05	2.865E-05	3.195E-05	3.508E-05	3.798E-05	4.089E-05
14990.	2.475E-04	7.409E-04	1.230E-05	1.711E-05	2.181E-05	2.637E-05	3.077E-05	3.497E-05	3.896E-05	4.272E-05	4.622E-05	4.967E-05
18110.	3.414E-04	1.022E-05	1.698E-05	2.358E-05	3.004E-05	3.629E-05	4.231E-05	4.804E-05	5.346E-05	5.854E-05	6.324E-05	6.794E-05
22130.	4.382E-04	1.305E-05	2.185E-05	3.010E-05	3.833E-05	4.629E-05	5.392E-05	6.118E-05	6.802E-05	7.441E-05	8.031E-05	8.622E-05
26150.	5.309E-04	1.589E-05	2.635E-05	3.661E-05	4.660E-05	5.625E-05	6.549E-05	7.428E-05	8.251E-05	9.019E-05	9.728E-05H	1.043E-05H
30180.	6.283E-04	1.874E-05	3.107E-05	4.317E-05	5.493E-05	6.628E-05	7.714E-05	8.742E-05H	9.707E-05H	1.060E-06H	1.143E-06G	1.226E-06G
36210.	9.006E-04	2.694E-05	4.466E-05	6.201E-05H	7.866E-05H	9.507E-05H	1.105E-06H	1.251E-06G	1.388E-06G	1.514E-06G	1.629E-06F	1.744E-06F
44260.	1.175E-05H	3.515E-05H	5.824E-05H	8.084E-05	1.028E-06G	1.238E-06G	1.438E-06G	1.627E-06	1.803E-06	1.964E-06F	2.112E-06	2.260E-06
52300.	1.470E-05G	4.398E-05G	7.287E-05G	1.011E-06G	1.285E-06	1.547E-06	1.798E-06F	2.030E-06F	2.248E-06F	2.447E-06	2.628E-06	2.809E-06
60350.	1.786E-05	5.281E-05	8.748E-05	1.214E-06	1.541E-06F	1.855E-06F	2.153E-06	2.432E-06	2.691E-06	2.928E-06E	3.142E-06E	3.359E-06E
68400.	2.027E-05F	6.062E-05F	1.004E-06F	1.392E-06F	1.768E-06	2.128E-06	2.468E-06	2.787E-06	3.082E-06E	3.352E-06	3.595E-06	3.836E-06
76440.	2.287E-05	6.838E-05	1.132E-06	1.570E-06	1.993E-06	2.398E-06	2.781E-06	3.139E-06E	3.469E-06	3.771E-06	4.043E-06	4.316E-06
84490.	2.541E-05	7.597E-05	1.258E-06	1.744E-06	2.213E-06	2.682E-06E	3.086E-06E	3.482E-06	3.847E-06	4.180E-06	4.479E-06	4.778E-06
92540.	2.792E-05E	8.349E-05E	1.382E-06E	1.918E-06E	2.431E-06E	2.933E-06	3.388E-06	3.821E-06	4.220E-06	4.584E-06	4.909E-06	5.232E-06
104600.	3.275E-05	9.793E-05	1.621E-06	2.247E-06	2.850E-06	3.425E-06	3.967E-06	4.472E-06	4.938E-06	5.358E-06D	5.734E-06D	6.109E-06D
124700.	3.967E-05	1.186E-06	1.983E-06	2.719E-06	3.447E-06	4.141E-06	4.794E-06D	5.400E-06D	5.957E-06D	6.460E-06	6.908E-06	7.349E-06
148900.	4.617E-05D	1.380E-06D	2.284E-06D	3.163E-06D	4.009E-06D	4.814E-06D	5.570E-06	6.271E-06	6.913E-06	7.492E-06	8.005E-06C	8.516E-06C
201200.	6.459E-05	1.930E-06	3.193E-06	4.420E-06C	5.699E-06C	6.716E-06C	7.763E-06C	8.730E-06C	9.611E-06C	1.040E-07C	1.110E-07	1.181E-07
281600.	7.916E-05C	2.366E-06C	3.912E-06C	5.414E-06B	6.854E-06B	8.219E-06B	9.493E-06B	1.067E-07B	1.173E-07B	1.269E-07B	1.352E-07B	1.435E-07B
442800.	1.042E-06*	3.113E-06*	5.149E-06*	7.124E-06*	9.017E-06*	1.081E-07*	1.248E-07*	1.402E-07*	1.541E-07*	1.665E-07	1.773E-07	1.886E-07
684000.	1.151E-06	3.441E-06	5.690E-06	7.874E-06	9.968E-06	1.195E-07	1.380E-07	1.550E-07	1.703E-07	1.840E-07	1.959E-07	2.078E-07

TABLE A.1.2. (Continued)

DIST (METERS)		ANGLE FROM CENTERLINE (DEGREES)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.981E-04	2.149E-04	2.313E-04	2.472E-04	2.625E-04	2.771E-04	2.909E-04	3.038E-04	3.157E-04	3.264E-04	3.360E-04	3.446E-04
2012.	4.100E-04	4.422E-04	4.731E-04	5.027E-04	5.307E-04	5.569E-04	5.813E-04	6.036E-04	6.237E-04	6.416E-04	6.572E-04	6.714E-04
2816.	6.221E-04	6.682E-04	7.120E-04	7.533E-04	7.919E-04	8.276E-04	8.602E-04	8.897E-04	9.159E-04	9.389E-04	9.586E-04	9.759E-04
3621.	8.531E-04	9.138E-04	9.711E-04	1.026E-03	1.074E-03	1.119E-03	1.161E-03	1.197E-03	1.229E-03	1.257E-03	1.281E-03	1.301E-03
4428.	1.086E-03	1.181E-03	1.232E-03	1.273E-03	1.307E-03	1.335E-03	1.357E-03	1.374E-03	1.386E-03	1.393E-03	1.396E-03	1.398E-03
5230.	1.323E-03	1.412E-03	1.486E-03	1.549E-03	1.603E-03	1.648E-03	1.684E-03	1.712E-03	1.732E-03	1.746E-03	1.755E-03	1.759E-03
6036.	1.561E-03	1.685E-03	1.761E-03	1.850E-03	1.930E-03	2.003E-03	2.067E-03	2.123E-03	2.171E-03	2.212E-03	2.246E-03	2.274E-03
6840.	1.801E-03	1.919E-03	2.028E-03	2.128E-03	2.219E-03	2.300E-03	2.371E-03	2.433E-03	2.486E-03	2.531E-03	2.568E-03	2.600E-03
7644.	2.041E-03	2.174E-03	2.295E-03	2.407E-03	2.507E-03	2.598E-03	2.675E-03	2.743E-03	2.800E-03	2.849E-03	2.888E-03	2.919E-03
8451.	2.281E-03	2.422E-03	2.543E-03	2.643E-03	2.733E-03	2.813E-03	2.883E-03	2.943E-03	2.993E-03	3.033E-03	3.063E-03	3.084E-03
10460.	3.194E-03	3.392E-03	3.573E-03	3.738E-03	3.880E-03	4.008E-03	4.118E-03	4.211E-03	4.288E-03	4.353E-03	4.404E-03	4.441E-03
12470.	4.065E-03	4.312E-03	4.538E-03	4.738E-03	4.913E-03	5.067E-03	5.199E-03	5.310E-03	5.402E-03	5.477E-03	5.538E-03	5.585E-03
14890.	4.945E-03	5.239E-03	5.505E-03	5.742E-03	5.950E-03	6.130E-03	6.283E-03	6.412E-03	6.517E-03	6.601E-03	6.667E-03	6.718E-03
16110.	6.756E-03	7.147E-03	7.498E-03	7.808E-03	8.077E-03	8.308E-03	8.502E-03	8.663E-03	8.793E-03	8.895E-03	8.974E-03	9.034E-03
22130.	8.570E-03	9.056E-03	9.489E-03	9.869E-03	1.020E-02	1.048E-02	1.071E-02	1.090E-02	1.105E-02	1.117E-02	1.126E-02	1.133E-02
26150.	1.037E-02	1.095E-02	1.146E-02	1.191E-02	1.229E-02	1.262E-02	1.289E-02	1.310E-02	1.328E-02	1.341E-02	1.351E-02	1.358E-02
30180.	1.217E-02	1.284E-02	1.343E-02	1.394E-02	1.438E-02	1.475E-02	1.506E-02	1.530E-02	1.549E-02	1.564E-02	1.575E-02	1.583E-02
36210.	1.732E-02	1.824E-02	1.905E-02	1.975E-02	2.034E-02	2.082E-02	2.122E-02	2.154E-02	2.178E-02	2.197E-02	2.210E-02	2.219E-02
44280.	2.244E-02	2.360E-02	2.462E-02	2.549E-02	2.622E-02	2.682E-02	2.730E-02	2.769E-02	2.797E-02	2.819E-02	2.835E-02	2.846E-02
52300.	2.790E-02	2.932E-02	3.058E-02	3.160E-02	3.248E-02	3.319E-02	3.376E-02	3.421E-02	3.455E-02	3.479E-02	3.497E-02	3.509E-02
60360.	3.333E-02	3.500E-02	3.645E-02	3.767E-02	3.868E-02	3.950E-02	4.018E-02	4.066E-02	4.104E-02	4.132E-02	4.151E-02	4.163E-02
68400.	3.811E-02	3.999E-02	4.162E-02	4.298E-02	4.412E-02	4.503E-02	4.575E-02	4.631E-02	4.673E-02	4.703E-02	4.723E-02	4.735E-02
76440.	4.283E-02	4.493E-02	4.673E-02	4.824E-02	4.948E-02	5.049E-02	5.128E-02	5.188E-02	5.233E-02	5.265E-02	5.287E-02	5.300E-02
84490.	4.743E-02	4.973E-02	5.169E-02	5.334E-02	5.469E-02	5.578E-02	5.663E-02	5.728E-02	5.776E-02	5.810E-02	5.834E-02	5.848E-02
92540.	5.196E-02	5.446E-02	5.659E-02	5.837E-02	5.983E-02	6.099E-02	6.190E-02	6.259E-02	6.310E-02	6.346E-02	6.371E-02	6.387E-02
104600.	5.685E-02	5.952E-02	6.189E-02	6.395E-02	6.568E-02	6.709E-02	6.818E-02	6.895E-02	6.948E-02	6.988E-02	7.018E-02	7.034E-02
124700.	6.190E-02	6.488E-02	6.744E-02	6.968E-02	7.159E-02	7.316E-02	7.440E-02	7.533E-02	7.600E-02	7.648E-02	7.684E-02	7.709E-02
148900.	6.700E-02	7.038E-02	7.333E-02	7.588E-02	7.803E-02	8.000E-02	8.168E-02	8.308E-02	8.418E-02	8.495E-02	8.540E-02	8.566E-02
201200.	1.170E-01	1.221E-01	1.264E-01	1.299E-01	1.327E-01	1.348E-01	1.364E-01	1.376E-01	1.384E-01	1.389E-01	1.393E-01	1.395E-01
281600.	1.425E-01	1.488E-01	1.536E-01	1.577E-01	1.609E-01	1.634E-01	1.652E-01	1.665E-01	1.674E-01	1.680E-01	1.684E-01	1.687E-01
442800.	1.866E-01	1.944E-01	2.007E-01	2.058E-01	2.098E-01	2.128E-01	2.149E-01	2.165E-01	2.175E-01	2.182E-01	2.186E-01	2.189E-01
684000.	2.061E-01	2.146E-01	2.216E-01	2.271E-01	2.314E-01	2.346E-01	2.369E-01	2.385E-01	2.396E-01	2.403E-01	2.408E-01	2.411E-01

TABLE A.1.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)														
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0				
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
1207.	3.444E-04	3.516E-04	3.576E-04	3.624E-04	3.662E-04	3.691E-04	3.712E-04H	3.726E-04H	3.735E-04H	3.744E-04H	3.750E-04H	3.750E-04H	3.750E-04H	3.750E-04H	
2012.	6.705E-04	6.816E-04	6.907E-04	6.978E-04H	7.032E-04H	7.073E-04H	7.102E-04G	7.122E-04E	7.136E-04D	7.145E-04C	7.152E-04B	7.152E-04B	7.152E-04B	7.152E-04B	
2816.	9.752E-04	9.869E-04	1.000E-03H	1.009E-03G	1.015E-03F	1.020E-03E	1.023E-03D	1.025E-03C	1.027E-03B	1.028E-03A	1.029E-03A	1.029E-03A	1.029E-03A	1.029E-03A	
3621.	1.301E-05	1.317E-05H	1.329E-05G	1.339E-05F	1.346E-05	1.351E-05D	1.355E-05C	1.357E-05B	1.359E-05A	1.360E-05A	1.361E-05	1.361E-05	1.361E-05	1.361E-05	
4426.	1.624E-05H	1.642E-05G	1.656E-05	1.667E-05	1.675E-05D	1.680E-05	1.684E-05	1.687E-05	1.688E-05	1.689E-05	1.690E-05	1.690E-05	1.690E-05	1.690E-05	
5230.	1.949E-05G	1.969E-05F	1.984E-05E	1.996E-05	2.004E-05	2.010E-05C	2.014E-05B	2.016E-05A	2.018E-05	2.019E-05	2.019E-05	2.019E-05	2.019E-05	2.019E-05	
6035.	2.273E-05F	2.294E-05E	2.311E-05	2.323E-05D	2.332E-05	2.338E-05	2.342E-05	2.345E-05	2.346E-05	2.347E-05	2.348E-05	2.348E-05	2.348E-05	2.348E-05	
6840.	2.597E-05	2.620E-05	2.638E-05	2.650E-05	2.660E-05C	2.666E-05	2.670E-05B	2.673E-05	2.674E-05	2.675E-05	2.676E-05	2.676E-05	2.676E-05	2.676E-05	
7644.	2.919E-05E	2.944E-05	2.962E-05D	2.976E-05	2.985E-05	2.992E-05B	2.996E-05	2.999E-05	3.000E-05	3.001E-05	3.002E-05	3.002E-05	3.002E-05	3.002E-05	
8651.	3.684E-05	3.711E-05D	3.732E-05	3.747E-05C	3.757E-05	3.763E-05	3.768E-05	3.771E-05	3.772E-05	3.773E-05	3.774E-05	3.774E-05	3.774E-05	3.774E-05	
10460.	4.444E-05	4.474E-05	4.497E-05	4.512E-05	4.523E-05B	4.530E-05A	4.535E-05	4.537E-05	4.539E-05	4.540E-05	4.541E-05	4.541E-05	4.541E-05	4.541E-05	
12470.	5.581E-05D	5.614E-05	5.639E-05C	5.658E-05B	5.667E-05A	5.675E-05	5.679E-05	5.682E-05	5.684E-05	5.685E-05	5.686E-05	5.686E-05	5.686E-05	5.686E-05	
14890.	6.717E-05	6.753E-05	6.780E-05	6.798E-05	6.810E-05	6.818E-05	6.822E-05	6.825E-05	6.827E-05	6.828E-05	6.829E-05	6.829E-05	6.829E-05	6.829E-05	
18110.	9.032E-05	9.075E-05	9.104E-05B	9.124E-05	9.137E-05	9.145E-05	9.150E-05	9.153E-05	9.155E-05	9.156E-05	9.157E-05	9.157E-05	9.157E-05	9.157E-05	
22130.	1.133E-05C	1.137E-05B	1.141E-05	1.143E-05	1.144E-05	1.145E-05	1.146E-05	1.146E-05	1.146E-05	1.146E-05	1.146E-05	1.146E-05	1.146E-05	1.146E-05	
26150.	1.359E-05	1.364E-05	1.367E-05A	1.369E-05	1.371E-05	1.372E-05	1.372E-05	1.373E-05	1.373E-05	1.373E-05	1.373E-05	1.373E-05	1.373E-05	1.373E-05	
30180.	1.583E-05B	1.589E-05	1.592E-05	1.595E-05	1.596E-05	1.597E-05	1.598E-05	1.598E-05	1.598E-05	1.598E-05	1.598E-05	1.598E-05	1.598E-05	1.598E-05	
36210.	2.219E-05	2.228E-05A	2.230E-05	2.233E-05	2.234E-05	2.235E-05	2.236E-05	2.236E-05	2.236E-05	2.236E-05	2.236E-05	2.236E-05	2.236E-05	2.236E-05	
44260.	2.845E-05A	2.862E-05	2.867E-05	2.868E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	2.869E-05	
52300.	3.509E-05	3.517E-05	3.522E-05	3.525E-05	3.527E-05	3.528E-05	3.528E-05	3.529E-05	3.529E-05	3.529E-05	3.529E-05	3.529E-05	3.529E-05	3.529E-05	
60350.	4.184E-05	4.173E-05	4.178E-05	4.181E-05	4.183E-05	4.184E-05	4.185E-05	4.185E-05	4.185E-05	4.185E-05	4.185E-05	4.185E-05	4.185E-05	4.185E-05	
68400.	4.737E-05	4.746E-05	4.752E-05	4.755E-05	4.757E-05	4.759E-05	4.759E-05	4.759E-05	4.759E-05	4.759E-05	4.759E-05	4.759E-05	4.759E-05	4.759E-05	
76440.	5.302E-05	5.311E-05	5.317E-05	5.321E-05	5.322E-05	5.323E-05	5.324E-05	5.324E-05	5.325E-05	5.325E-05	5.325E-05	5.325E-05	5.325E-05	5.325E-05	
84490.	5.849E-05	5.859E-05	5.865E-05	5.868E-05	5.870E-05	5.871E-05	5.872E-05	5.872E-05	5.872E-05	5.872E-05	5.872E-05	5.872E-05	5.872E-05	5.872E-05	
92540.	6.387E-05	6.397E-05	6.403E-05	6.407E-05	6.409E-05	6.410E-05	6.410E-05	6.410E-05	6.410E-05	6.411E-05	6.411E-05	6.411E-05	6.411E-05	6.411E-05	
104600.	7.411E-05	7.422E-05	7.429E-05	7.432E-05	7.434E-05	7.435E-05	7.436E-05	7.436E-05	7.436E-05	7.436E-05	7.437E-05	7.437E-05	7.437E-05	7.437E-05	
124700.	8.659E-05	8.671E-05	8.677E-05	8.681E-05	8.683E-05	8.684E-05	8.685E-05	8.685E-05	8.685E-05	8.685E-05	8.685E-05	8.685E-05	8.685E-05	8.685E-05	
148900.	1.020E-07	1.021E-07	1.022E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	1.023E-07	
201200.	1.395E-07	1.397E-07	1.397E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	1.398E-07	
281600.	1.686E-07	1.688E-07	1.688E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	1.689E-07	
442600.	2.189E-07	2.190E-07	2.191E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	2.192E-07	
684000.	2.411E-07	2.412E-07	2.413E-07	2.413E-07	2.413E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	2.414E-07	

TABLE A.1.2 (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	3.754E+04F	3.756E+04C	3.756E+04C	3.756E+04C	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04	3.756E+04
2012.	7.156E+04*	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04	7.158E+04
2816.	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05	1.029E+05
3621.	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05	1.361E+05
4428.	1.690E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05	1.691E+05
5230.	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05	2.020E+05
6035.	2.348E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05	2.349E+05
6840.	2.676E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05	2.677E+05
7644.	3.002E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05	3.003E+05
8851.	3.774E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05	3.775E+05
10460.	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05	4.541E+05
12470.	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05	5.686E+05
14890.	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05	6.829E+05
18110.	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05	9.157E+05
22130.	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06	1.146E+06
26150.	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06	1.373E+06
30180.	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06	1.598E+06
36210.	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06	2.236E+06
44280.	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06	2.864E+06
52300.	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06	3.529E+06
60350.	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06	4.186E+06
68400.	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06	4.759E+06
76440.	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06	5.325E+06
84490.	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06	5.873E+06
92540.	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06	6.411E+06
104600.	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06	7.437E+06
124700.	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06	8.886E+06
148900.	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07	1.023E+07
201200.	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07	1.398E+07
281600.	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07	1.689E+07
442800.	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07	2.192E+07
684000.	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07	2.414E+07

TABLE A.2.1. Early Dose for Pasquill A, 3.0 m/sec, Release Term is SST2:
70-Year Effective Dose for an Individual

INDIVIDUAL

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	8.342E-01H	8.386E-01H	8.517E-01H	8.731E-01H	9.023E-01	9.384E-01	9.804E-01	1.027E-02	1.077E-02	1.129E-02
1207.	2.486E-01G	2.487E-01G	2.491E-01G	2.497E-01G	2.504E-01H	2.511E-01H	2.517E-01H	2.519E-01H	2.518E-01H	2.509E-01H
2012.	1.241E-01E	1.240E-01E	1.235E-01E	1.227E-01E	1.216E-01E	1.201E-01E	1.182E-01E	1.159E-01E	1.131E-01E	1.099E-01E
2816.	9.292E-00	9.270E-00	9.205E-00	9.098E-00	8.944E-00	8.750E-00	8.513E-00	8.236E-00	7.918E-00	7.562E-00
3621.	7.450E-00	7.431E-00	7.373E-00	7.278E-00	7.142E-00	6.970E-00	6.761E-00	6.518E-00	6.241E-00	5.932E-00
4428.	6.230E-00	6.212E-00	6.180E-00	6.073E-00	5.935E-00	5.799E-00	5.614E-00	5.397E-00	5.152E-00	4.879E-00
5230.	5.361E-00	5.345E-00	5.297E-00	5.219E-00	5.109E-00	4.970E-00	4.802E-00	4.607E-00	4.386E-00	4.142E-00
6035.	4.707E-00	4.693E-00	4.649E-00	4.577E-00	4.477E-00	4.350E-00	4.198E-00	4.018E-00	3.817E-00	3.598E-00
6840.	4.197E-00	4.184E-00	4.144E-00	4.077E-00	3.984E-00	3.867E-00	3.726E-00	3.562E-00	3.377E-00	3.175E-00
7644.	3.789E-00	3.777E-00	3.739E-00	3.677E-00	3.591E-00	3.482E-00	3.350E-00	3.199E-00	3.028E-00	2.840E-00
8451.	3.307E-00	3.296E-00	3.262E-00	3.206E-00	3.128E-00	3.030E-00	2.912E-00	2.776E-00	2.623E-00	2.456E-00
10480.	2.828E-00	2.818E-00	2.788E-00	2.738E-00	2.670E-00	2.583E-00	2.478E-00	2.358E-00	2.223E-00	2.075E-00
12470.	2.394E-00	2.385E-00	2.358E-00	2.315E-00	2.254E-00	2.178E-00	2.086E-00	1.981E-00	1.863E-00	1.734E-00
14890.	2.021E-00C	2.014E-00C	1.990E-00	1.952E-00	1.899E-00	1.831E-00	1.751E-00	1.658E-00	1.555E-00	1.443E-00
18110.	1.671E-00	1.664E-00	1.644E-00	1.611E-00	1.565E-00	1.507E-00	1.438E-00	1.359E-00	1.271E-00	1.176E-00
22130.	1.370E-00	1.365E-00	1.347E-00	1.319E-00	1.280E-00	1.230E-00	1.172E-00	1.104E-00	1.030E-00	9.492E-01
26150.	1.158E-00	1.153E-00B	1.138E-00B	1.113E-00B	1.079E-00B	1.035E-00B	9.839E-01	9.252E-01	8.602E-01	7.902E-01
30180.	1.001E-00B	9.984E-01	9.828E-01	9.604E-01	9.296E-01	8.910E-01	8.451E-01	7.929E-01	7.354E-01	6.735E-01
36210.	8.274E-01	8.235E-01	8.119E-01	7.928E-01	7.666E-01	7.337E-01	6.948E-01	6.505E-01	6.017E-01	5.495E-01
44280.	6.680E-01	6.647E-01	6.550E-01	6.389E-01	6.170E-01	5.894E-01	5.569E-01	5.199E-01	4.794E-01	4.361E-01
52300.	5.683E-01	5.635E-01	5.450E-01	5.312E-01	5.122E-01	4.884E-01	4.604E-01	4.287E-01	3.941E-01	3.572E-01
60350.	4.737E-01	4.712E-01	4.638E-01	4.517E-01	4.350E-01	4.142E-01	3.897E-01	3.620E-01	3.318E-01	2.998E-01
68400.	.000E+00	4.082E-01	4.016E-01	3.908E-01	3.760E-01	3.575E-01	3.358E-01	3.113E-01	2.847E-01	2.565E-01
76440.	.000E+00	3.581E-01	3.522E-01	3.425E-01	3.292E-01	3.127E-01	2.932E-01	2.714E-01	2.477E-01	2.228E-01
84490.	.000E+00	3.176E-01	3.123E-01	3.035E-01	2.914E-01	2.765E-01	2.589E-01	2.392E-01	2.179E-01	1.954E-01
92540.	.000E+00	2.842E-01	2.793E-01	2.713E-01	2.603E-01	2.467E-01	2.307E-01	2.129E-01	1.935E-01	1.732E-01
104600.	.000E+00	2.434E-01	2.392E-01	2.322E-01	2.227E-01	2.108E-01	1.969E-01	1.814E-01	1.646E-01	1.470E-01
124700.	.000E+00	1.934E-01	1.900E-01	1.843E-01	1.765E-01	1.665E-01	1.556E-01	1.431E-01	1.295E-01	1.153E-01
148900.	.000E+00	1.519E-01	1.491E-01	1.445E-01	1.362E-01	1.304E-01	1.213E-01	1.112E-01	1.003E-01	8.893E-02
201200.	.000E+00	9.823E-02	9.441E-02	9.143E-02	8.736E-02	8.232E-02	7.644E-02	6.988E-02	6.283E-02	5.548E-02
281600.	.000E+00	5.463E-02	5.356E-02	5.181E-02	4.941E-02	4.645E-02	4.299E-02	3.915E-02	3.502E-02	3.074E-02
442800.	.000E+00	2.030E-02	1.993E-02	1.931E-02	1.846E-02	1.740E-02	1.614E-02	1.473E-02	1.320E-02	1.158E-02
684000.	.000E+00	6.028E-03	5.925E-03	5.754E-03	5.515E-03	5.212E-03	4.849E-03	4.432E-03	3.973E-03	3.484E-03

TABLE A.2.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201. 604. 1207. 2012. 2816. 3621. 4428. 5230. 6035. 6840. 7644. 8651. 10460. 12470. 14890. 18110. 22130. 26150. 30180. 36210. 44260. 52300. 60350. 68400. 76440. 84490. 92540. 104800. 124700. 148900. 201200. 281600. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	1.231E+02H	1.277E+02H	1.318E+02H	1.352E+02H	1.377E+02H	1.391E+02H	1.393E+02H	1.382E+02H	1.357E+02H	1.318E+02H	1.264E+02H	.000E+00
	2.484E+01G	2.425E+01G	2.371E+01G	2.302E+01G	2.216E+01G	2.115E+01G	1.998E+01F	1.862E+01F	1.714E+01F	1.554E+01F	1.385E+01E	1.264E+02H
	1.020E+01E	9.726E+00	9.200E+00	8.626E+00	8.006E+00	7.346E+00	6.654E+00	5.940E+00	5.216E+00	4.495E+00	3.791E+00C	1.385E+01F
	6.747E+00	6.293E+00D	5.815E+00D	5.316E+00D	4.804E+00	4.285E+00	3.767E+00	3.257E+00	2.764E+00C	2.297E+00C	1.863E+00	1.554E+01F
	5.232E+00D	4.847E+00	4.444E+00	4.028E+00	3.608E+00	3.182E+00	2.764E+00	2.359E+00C	1.973E+00	1.622E+00	1.305E+00B	4.495E+00
	4.265E+00	3.930E+00	3.592E+00	3.225E+00	2.864E+00	2.508E+00	2.168E+00C	1.827E+00	1.521E+00	1.235E+00B	9.750E+01	2.297E+00C
	3.595E+00	3.298E+00	2.991E+00	2.679E+00	2.365E+00	2.055E+00C	1.764E+00	1.485E+00	1.221E+00	9.787E+01	7.610E+01	2.764E+00C
	3.102E+00	2.835E+00	2.561E+00	2.282E+00C	2.005E+00C	1.740E+00	1.483E+00	1.237E+00	1.008E+00B	7.995E+01	6.148E+01	2.359E+00C
	2.724E+00	2.482E+00	2.233E+00C	1.982E+00	1.740E+00	1.501E+00	1.271E+00	1.052E+00B	8.506E+01	6.685E+01	5.116E+01*	1.622E+00
	2.425E+00	2.203E+00C	1.978E+00	1.752E+00	1.530E+00	1.314E+00	1.108E+00B	9.101E+01	7.307E+01	5.865E+01	4.339E+01	1.521E+00
	2.085E+00C	1.888E+00	1.688E+00	1.486E+00	1.288E+00	1.099E+00B	9.199E+01	7.522E+01	6.044E+01*	4.774E+01	3.477E+01	1.235E+00B
	1.751E+00	1.579E+00	1.405E+00	1.230E+00	1.060E+00B	8.956E+01	7.446E+01	6.044E+01*	4.786E+01	3.743E+01	2.832E+01	1.008E+00B
	1.463E+00	1.304E+00	1.154E+00B	1.006E+00B	8.608E+01	7.233E+01	5.946E+01*	4.768E+01	3.768E+01	2.917E+01	2.181E+01	8.506E+01
	1.200E+00B	1.072E+00B	9.441E+01	8.170E+01	6.961E+01	5.799E+01*	4.724E+01	3.768E+01	2.917E+01	2.203E+01	1.628E+01	6.685E+01
	9.695E+01	8.622E+01	7.549E+01	6.498E+01	5.483E+01*	4.529E+01	3.652E+01	2.792E+01	2.173E+01	1.644E+01	1.197E+01	5.116E+01*
	7.768E+01	6.862E+01	5.971E+01*	5.102E+01*	4.272E+01	3.498E+01	2.792E+01	2.173E+01	1.644E+01	1.197E+01	8.352E+02	4.339E+01
	6.406E+01	5.639E+01*	4.860E+01	4.144E+01	3.447E+01	2.801E+01	2.230E+01	1.724E+01	1.288E+01	9.250E+02	6.353E+02	6.685E+01
	5.421E+01*	4.752E+01	4.093E+01	3.457E+01	2.859E+01	2.320E+01	1.832E+01	1.402E+01	1.038E+01	7.359E+02	4.990E+02	3.743E+01
	4.389E+01	3.829E+01	3.279E+01	2.753E+01	2.260E+01	1.809E+01	1.410E+01	1.069E+01	7.822E+02	5.488E+02	3.670E+02	2.832E+01
3.451E+01	2.994E+01	2.548E+01	2.123E+01	1.729E+01	1.371E+01	1.056E+01	7.900E+02	6.710E+02	5.488E+02	2.598E+02	1.628E+01	
2.801E+01	2.417E+01	2.044E+01	1.692E+01	1.367E+01	1.075E+01	8.255E+02	6.127E+02	4.372E+02	2.982E+02	1.931E+02	1.521E+02	
2.333E+01	2.004E+01	1.688E+01	1.387E+01	1.114E+01	8.745E+02	6.654E+02	4.985E+02	3.444E+02	2.318E+02	1.479E+02	1.175E+02	
1.982E+01	1.695E+01	1.420E+01	1.163E+01	9.321E+02	7.263E+02	5.480E+02	3.988E+02	2.782E+02	1.851E+02	9.529E+03	7.852E+03	
1.711E+01	1.458E+01	1.218E+01	9.940E+02	7.924E+02	6.134E+02	4.594E+02	3.315E+02	2.294E+02	1.521E+02	1.267E+02	6.561E+03	
1.493E+01	1.268E+01	1.056E+01	8.598E+02	6.819E+02	5.248E+02	3.908E+02	2.800E+02	1.931E+02	1.267E+02	7.852E+03	5.136E+03	
1.316E+01	1.114E+01	9.259E+02	7.509E+02	5.927E+02	4.539E+02	3.369E+02	2.401E+02	1.643E+02	1.069E+02	6.561E+03	3.567E+03	
1.111E+01	9.376E+02	7.733E+02	6.223E+02	4.889E+02	3.722E+02	2.738E+02	1.933E+02	1.312E+02	8.456E+03	5.990E+03	2.453E+03	
8.843E+02	7.255E+02	5.949E+02	4.754E+02	3.690E+02	2.774E+02	2.019E+02	1.414E+02	9.455E+03	5.990E+03	3.567E+03	1.232E+03	
6.602E+02	5.508E+02	4.486E+02	3.556E+02	2.737E+02	2.037E+02	1.466E+02	1.017E+02	6.712E+03	4.191E+03	2.453E+03	1.232E+03	
4.073E+02	3.373E+02	2.722E+02	2.136E+02	1.622E+02	1.190E+02	8.382E+03	5.646E+03	3.613E+03	2.182E+03	1.232E+03	6.309E+04	
2.221E+02	1.820E+02	1.451E+02	1.121E+02	8.376E+03	6.021E+03	4.144E+03	2.717E+03	1.685E+03	9.807E+04	3.045E+04	1.571E+04	
8.327E+03	6.785E+03	5.363E+03	4.097E+03	3.014E+03	2.125E+03	1.428E+03	9.097E+04	5.450E+04	3.045E+04	7.168E+05	3.487E+05	
2.483E+03	2.007E+03	1.567E+03	1.179E+03	8.506E+04	5.853E+04	3.820E+04	2.348E+04	1.348E+04	7.168E+05	3.487E+05	3.487E+05	

TABLE A.2.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)												
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.198E+02H	1.115E+02H	1.022E+02H	9.205E+01H	8.122E+01H	5.865E+01H	7.004E+01H	5.865E+01H	4.801E+01H	3.785E+01H	2.868E+01H	2.075E+01G	
1207.	1.211E+01E	1.035E+01E	8.634E+00D	6.996E+00D	5.484E+00D	4.137E+00C	2.983E+00C	2.041E+00C	1.311E+00B	1.231E+00B	1.231E+00B	8.995E+01*	
2012.	3.120E+00C	2.498E+00C	1.939E+00B	1.441E+00B	1.028E+00B	7.473E+01*	5.468E+01*	3.588E+01	2.099E+01	1.075E+01	1.075E+01	4.695E+02	
2816.	1.470E+00	1.177E+00B	9.126E-01	6.737E-01*	4.696E-01	3.061E-01	1.842E-01	1.009E-01	4.908E-02	2.079E-02	2.079E-02	7.334E-03	
3621.	1.017E+00B	7.648E-01	5.512E-01*	3.780E-01	2.445E-01	1.475E-01	8.190E-02	4.382E-02	2.052E-02	8.083E-03	8.083E-03	2.567E-03	
4428.	7.446E-01	5.474E-01*	3.849E-01	2.570E-01	1.626E-01	9.548E-02	5.107E-02	2.438E-02	1.012E-02	3.535E-03	3.535E-03	1.935E-03	
5230.	5.718E-01*	4.125E-01	2.868E-01	1.884E-01	1.158E-01	6.569E-02	3.855E-02	1.558E-02	6.183E-03	2.030E-03	2.030E-03	5.236E-04	
6035.	4.577E-01	3.277E-01	2.231E-01	1.433E-01	8.582E-02	4.752E-02	2.388E-02	1.058E-02	4.011E-03	1.264E-03	1.264E-03	3.042E-04	
6840.	3.771E-01	2.681E-01	1.784E-01	1.127E-01	6.883E-02	3.608E-02	1.784E-02	7.494E-03	2.746E-03	8.181E-04	8.181E-04	1.874E-04	
7644.	3.163E-01	2.205E-01	1.463E-01	9.142E-02	5.299E-02	2.018E-02	9.339E-03	3.751E-03	1.265E-03	3.414E-04	3.414E-04	8.899E-05	
8851.	2.505E-01	1.723E-01	1.124E-01	6.890E-02	3.908E-02	2.018E-02	9.339E-03	3.751E-03	1.265E-03	3.414E-04	3.414E-04	8.899E-05	
10460.	1.915E-01	1.298E-01	8.298E-02	4.969E-02	2.751E-02	1.380E-02	6.163E-03	2.376E-03	7.613E-04	1.934E-04	1.934E-04	3.631E-05	
12470.	1.439E-01	9.581E-02	6.020E-02	3.522E-02	1.894E-02	9.215E-03	3.955E-03	1.458E-03	4.435E-04	1.058E-04	1.058E-04	1.828E-05	
14890.	1.077E-01	7.035E-02	4.332E-02	2.475E-02	1.293E-02	6.081E-03	2.519E-03	8.676E-04	2.555E-04	6.678E-05	6.678E-05	9.054E-06	
18110.	7.781E-02	4.972E-02	2.992E-02	1.867E-02	8.457E-03	3.834E-03	1.520E-03	5.082E-04	1.373E-04	2.836E-05	2.836E-05	4.132E-06	
22130.	5.541E-02	3.469E-02	2.031E-02	1.102E-02	5.417E-03	2.367E-03	8.967E-04	2.850E-04	7.232E-05	1.383E-05	1.383E-05	1.821E-06	
26150.	4.142E-02	2.542E-02	1.465E-02	7.757E-03	3.708E-03	1.569E-03	5.729E-04	1.740E-04	4.168E-05	7.508E-06	7.508E-06	9.136E-07	
30180.	3.223E-02	1.959E-02	1.108E-02	5.713E-03	2.658E-03	1.094E-03	3.871E-04	1.130E-04	2.597E-05	4.393E-06	4.393E-06	4.991E-07	
36210.	2.324E-02	1.380E-02	7.650E-03	3.853E-03	1.741E-03	6.926E-04	2.341E-04	6.474E-05	1.395E-05	2.191E-06	2.191E-06	2.273E-07	
44260.	1.612E-02	9.344E-03	5.022E-03	2.463E-03	1.078E-03	4.118E-04	1.331E-04	3.486E-05	7.031E-06	1.012E-06	1.012E-06	9.421E-08	
52300.	1.178E-02	6.701E-03	3.533E-03	1.897E-03	7.153E-04	2.630E-04	8.181E-05	2.044E-05	3.911E-06	5.261E-07	5.261E-07	4.513E-08	
60350.	8.920E-03	5.019E-03	2.591E-03	1.208E-03	4.998E-04	1.769E-04	5.350E-05	1.279E-05	2.312E-06	2.939E-07	2.939E-07	2.359E-08	
68400.	6.990E-03	3.861E-03	1.953E-03	8.925E-04	3.623E-04	1.263E-04	3.681E-05	8.464E-06	1.484E-06	1.750E-07	1.750E-07	1.304E-08	
76440.	5.592E-03	3.042E-03	1.520E-03	6.838E-04	2.707E-04	9.163E-05	2.592E-05	5.789E-06	9.639E-07	1.107E-07	1.107E-07	.000E+00	
84490.	4.553E-03	2.456E-03	1.209E-03	5.340E-04	2.072E-04	6.901E-05	1.892E-05	4.088E-06	6.580E-07	7.168E-08	7.168E-08	.000E+00	
92540.	3.781E-03	2.014E-03	9.770E-04	4.254E-04	1.628E-04	5.291E-05	1.416E-05	2.977E-06	4.803E-07	4.829E-08	4.829E-08	.000E+00	
104600.	2.918E-03	1.532E-03	7.305E-04	3.118E-04	1.184E-04	3.682E-05	9.549E-06	1.928E-06	2.847E-07	2.813E-08	2.813E-08	.000E+00	
124700.	1.987E-03	1.017E-03	4.729E-04	1.983E-04	7.085E-05	2.159E-05	6.337E-06	1.019E-06	1.406E-07	1.279E-08	1.279E-08	.000E+00	
148900.	1.334E-03	6.686E-04	3.022E-04	1.212E-04	4.208E-05	1.228E-05	2.883E-06	5.215E-07	6.733E-08	.000E+00	.000E+00	.000E+00	
201200.	6.506E-04	3.133E-04	1.352E-04	5.128E-05	1.670E-05	4.535E-06	9.784E-07	1.583E-07	.000E+00	.000E+00	.000E+00	.000E+00	
281600.	2.843E-04	1.221E-04	5.035E-05	1.802E-05	6.458E-06	1.351E-06	2.285E-07	3.794E-08	.000E+00	.000E+00	.000E+00	.000E+00	
442600.	7.393E-05	3.127E-05	1.168E-05	3.769E-06	1.039E-06	2.289E-07	3.815E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
684000.	1.532E-05	5.978E-06	2.031E-06	6.971E-07	1.555E-07	3.110E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	

TABLE A.2.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.422E-01E	9.131E+00D	5.424E+00D	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	4.946E-01	2.268E-01	8.154E-02	2.178E-02	3.977E-03	4.381E-04	2.407E-05	4.906E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2012.	1.686E-02	4.733E-03	9.685E-04	1.308E-04	1.570E-05	6.108E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2816.	2.393E-03	5.745E-04	8.711E-05	7.295E-06	2.734E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.	6.211E-04	1.057E-04	1.129E-05	7.456E-07	1.816E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4428.	2.308E-04	3.412E-05	2.940E-06	1.213E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	9.901E-05	1.278E-05	9.618E-07	3.149E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	5.271E-05	5.865E-06	3.599E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	3.053E-05	3.085E-06	1.643E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	1.847E-05	1.746E-06	8.353E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	9.583E-06	8.022E-07	3.359E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	4.574E-06	3.355E-07	1.183E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	2.083E-06	1.346E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	9.328E-07	5.276E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	3.784E-07	1.849E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	1.476E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	6.712E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	3.365E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	1.371E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.2.2. Early Dose for Pasquill A, 3.0 m/sec, Release Term is SST: Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																		
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0								
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.	2.311E+01Q	6.934E+01Q	1.157E+02G	1.621E+02G	2.086E+02H	2.553E+02H	3.021E+02H	3.489E+02H	3.957E+02H	4.424E+02H	4.887E+02G								
2012.	4.966E+01E	1.489E+02E	2.481E+02E	3.470E+02E	4.456E+02E	5.437E+02E	6.410E+02E	7.374E+02E	8.327E+02E	9.284E+02E	1.018E+03E								
2818.	7.741E+01	2.321E+02	3.862E+02	5.394E+02	6.914E+02	8.417E+02	9.899E+02	1.136E+03	1.278E+03	1.417E+03	1.551E+03								
3621.	1.079E+02	3.235E+02	5.380E+02	7.509E+02	9.614E+02	1.169E+03	1.372E+03	1.571E+03	1.765E+03	1.953E+03D	2.133E+03D								
4428.	1.390E+02	4.184E+02	6.923E+02	9.686E+02	1.235E+03	1.501E+03D	1.760E+03D	2.013E+03D	2.258E+03D	2.494E+03	2.720E+03								
5230.	1.706E+02D	5.111E+02D	8.495E+02D	1.185E+03D	1.515E+03D	1.838E+03	2.155E+03	2.462E+03	2.759E+03	3.044E+03	3.315E+03								
6035.	2.026E+02	6.070E+02	1.009E+03	1.408E+03	1.797E+03	2.180E+03	2.554E+03	2.915E+03	3.264E+03	3.598E+03	3.918E+03								
6840.	2.350E+02	7.040E+02	1.170E+03	1.630E+03	2.089E+03	2.525E+03	2.936E+03	3.313E+03	3.674E+03	4.015E+03	4.320E+03								
7644.	2.678E+02	8.016E+02	1.332E+03	1.855E+03	2.369E+03	2.872E+03	3.361E+03	3.833E+03	4.286E+03	4.717E+03	5.126E+03								
8651.	3.458E+02	1.036E+03	1.720E+03	2.395E+03	3.057E+03	3.703E+03	4.329E+03	4.932E+03	5.509E+03	6.057E+03	6.574E+03C								
10460.	4.246E+02	1.271E+03	2.111E+03	2.939E+03	3.750E+03	4.540E+03	5.304E+03	6.038E+03C	6.739E+03C	7.403E+03C	8.028E+03								
12470.	5.440E+02	1.629E+03	2.704E+03C	3.762E+03C	4.798E+03C	5.805E+03C	6.778E+03C	7.710E+03	8.597E+03	9.433E+03	1.022E+04								
14890.	6.651E+02C	1.991E+03C	3.304E+03	4.597E+03	5.860E+03	7.087E+03	8.269E+03	9.400E+03	1.047E+04	1.148E+04	1.242E+04								
18110.	9.155E+02	2.740E+03	4.546E+03	6.322E+03	8.054E+03	9.732E+03	1.135E+04	1.288E+04	1.434E+04	1.570E+04B	1.696E+04B								
22130.	1.167E+03	3.494E+03	5.795E+03	8.055E+03	1.028E+04	1.239E+04	1.443E+04B	1.638E+04B	1.821E+04B	1.992E+04	2.150E+04								
26150.	1.418E+03	4.243E+03B	7.037E+03B	9.779E+03B	1.245E+04B	1.503E+04B	1.750E+04	1.984E+04	2.205E+04	2.410E+04	2.599E+04								
30180.	1.670E+03B	4.997E+03	8.286E+03	1.151E+04	1.465E+04	1.768E+04	2.057E+04	2.332E+04	2.599E+04	2.828E+04	3.048E+04*								
36210.	2.392E+03	7.155E+03	1.186E+04	1.647E+04	2.094E+04	2.525E+04	2.936E+04	3.324E+04	3.686E+04*	4.021E+04*	4.327E+04								
44260.	3.110E+03	9.304E+03	1.542E+04	2.140E+04	2.720E+04	3.278E+04*	3.808E+04*	4.308E+04*	4.774E+04	5.203E+04	5.593E+04								
52300.	3.881E+03*	1.161E+04*	1.923E+04*	2.699E+04*	3.391E+04*	4.084E+04	4.742E+04	5.361E+04	5.936E+04	6.464E+04	6.942E+04								
60350.	4.650E+03	1.391E+04	2.304E+04	3.196E+04	4.059E+04	4.888E+04	5.671E+04	6.407E+04	7.089E+04	7.715E+04	8.280E+04								
68400.	4.650E+03	1.525E+04	2.671E+04	3.592E+04	4.579E+04	5.525E+04	6.420E+04	7.259E+04	8.035E+04	8.745E+04	9.385E+04								
76440.	4.650E+03	1.659E+04	2.836E+04	3.985E+04	5.098E+04	6.157E+04	7.162E+04	8.102E+04	8.971E+04	9.784E+04	1.048E+05								
84490.	4.650E+03	1.789E+04	3.095E+04	4.368E+04	5.598E+04	6.774E+04	7.885E+04	8.923E+04	9.882E+04	1.075E+05	1.154E+05								
92540.	4.650E+03	1.918E+04	3.350E+04	4.747E+04	6.095E+04	7.383E+04	8.599E+04	9.733E+04	1.078E+05	1.173E+05	1.259E+05								
104600.	4.650E+03	2.066E+04	3.841E+04	5.474E+04	7.049E+04	8.551E+04	9.967E+04	1.129E+05	1.250E+05	1.360E+05	1.459E+05								
124700.	4.650E+03	2.520E+04	4.542E+04	6.512E+04	8.409E+04	1.022E+05	1.192E+05	1.350E+05	1.495E+05	1.620E+05	1.743E+05								
148900.	4.650E+03	2.852E+04	5.201E+04	7.488E+04	9.686E+04	1.178E+05	1.374E+05	1.557E+05	1.724E+05	1.875E+05	2.008E+05								
201200.	4.650E+03	3.796E+04	7.070E+04	1.025E+05	1.331E+05	1.621E+05	1.892E+05	2.143E+05	2.372E+05	2.577E+05	2.758E+05								
281600.	4.650E+03	4.546E+04	8.557E+04	1.245E+05	1.619E+05	1.972E+05	2.303E+05	2.608E+05	2.884E+05	3.132E+05	3.349E+05								
442600.	4.650E+03	5.863E+04	1.117E+05	1.631E+05	2.124E+05	2.591E+05	3.028E+05	3.427E+05	3.789E+05	4.111E+05	4.363E+05								
684000.	4.650E+03	6.466E+04	1.236E+05	1.808E+05	2.357E+05	2.876E+05	3.359E+05	3.804E+05	4.206E+05	4.563E+05	4.875E+05								

TABLE A.2.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.	5.345E+02G	5.796E+02G	6.238E+02G	6.664E+02G	7.078E+02G	7.470E+02G	7.841E+02F	8.187E+02F	8.506E+02F	8.795E+02F	9.052E+02E
2012.	1.108E+03E	1.194E+03	1.278E+03	1.357E+03	1.433E+03D	1.504E+03D	1.569E+03D	1.629E+03D	1.683E+03D	1.732E+03	1.774E+03C
2816.	1.681E+03	1.806E+03D	1.924E+03D	2.035E+03	2.139E+03	2.236E+03	2.324E+03	2.403E+03	2.474E+03C	2.536E+03C	2.589E+03
3621.	2.306E+03D	2.470E+03	2.624E+03	2.769E+03	2.902E+03	3.025E+03	3.135E+03	3.234E+03C	3.321E+03	3.396E+03	3.460E+03B
4426.	2.935E+03	3.138E+03	3.329E+03	3.505E+03	3.667E+03	3.815E+03	3.947E+03C	4.064E+03	4.166E+03	4.253E+03B	4.327E+03
5230.	3.573E+03	3.816E+03	4.041E+03	4.249E+03	4.439E+03	4.611E+03C	4.764E+03	4.898E+03	5.015E+03	5.114E+03	5.196E+03
6035.	4.215E+03	4.496E+03	4.757E+03	4.998E+03C	5.213E+03C	5.409E+03	5.582E+03	5.733E+03	5.863E+03B	5.973E+03	6.064E+03
6840.	4.862E+03	5.181E+03	5.476E+03C	5.746E+03	5.990E+03	6.209E+03	6.401E+03	6.569E+03B	6.712E+03	6.832E+03	6.931E+03*
7644.	5.509E+03	5.866E+03C	6.195E+03	6.495E+03	6.766E+03	7.007E+03	7.219E+03B	7.402E+03	7.568E+03	7.688E+03*	7.794E+03
8461.	7.066E+03C	7.502E+03	7.911E+03	8.281E+03	8.612E+03	8.905E+03B	9.161E+03	9.380E+03	9.584E+03*	9.718E+03	9.839E+03
10460.	8.606E+03	9.140E+03	9.627E+03	1.007E+04	1.046E+04	1.080E+04	1.110E+04	1.136E+04*	1.158E+04	1.173E+04	1.187E+04
12470.	1.094E+04	1.160E+04	1.221E+04B	1.275E+04B	1.322E+04	1.364E+04	1.399E+04*	1.429E+04	1.454E+04	1.474E+04	1.490E+04
14890.	1.329E+04B	1.408E+04B	1.480E+04	1.544E+04	1.600E+04	1.648E+04*	1.689E+04	1.724E+04	1.752E+04	1.775E+04	1.793E+04
18110.	1.812E+04	1.917E+04	2.011E+04	2.095E+04	2.167E+04*	2.229E+04	2.281E+04	2.324E+04	2.359E+04	2.387E+04	2.408E+04
22130.	2.294E+04	2.425E+04	2.541E+04*	2.643E+04*	2.731E+04	2.806E+04	2.868E+04	2.919E+04	2.960E+04	2.992E+04	3.017E+04
26160.	2.771E+04	2.928E+04*	3.063E+04	3.183E+04	3.286E+04	3.373E+04	3.445E+04	3.504E+04	3.550E+04	3.586E+04	3.613E+04
30180.	3.248E+04*	3.426E+04	3.584E+04	3.721E+04	3.839E+04	3.937E+04	4.019E+04	4.084E+04	4.136E+04	4.176E+04	4.205E+04
36210.	4.603E+04	4.849E+04	5.064E+04	5.249E+04	5.406E+04	5.536E+04	5.642E+04	5.726E+04	5.792E+04	5.841E+04	5.877E+04
44260.	5.943E+04	6.253E+04	6.523E+04	6.754E+04	6.948E+04	7.107E+04	7.236E+04	7.337E+04	7.415E+04	7.473E+04	7.514E+04
52300.	7.370E+04	7.747E+04	8.073E+04	8.351E+04	8.583E+04	8.773E+04	8.924E+04	9.043E+04	9.132E+04	9.198E+04	9.245E+04
60350.	8.783E+04	9.225E+04	9.606E+04	9.929E+04	1.020E+05	1.042E+05	1.059E+05	1.072E+05	1.082E+05	1.090E+05	1.095E+05
68400.	9.954E+04	1.045E+05	1.088E+05	1.124E+05	1.154E+05	1.178E+05	1.197E+05	1.212E+05	1.223E+05	1.231E+05	1.237E+05
76440.	1.111E+05	1.166E+05	1.214E+05	1.253E+05	1.286E+05	1.313E+05	1.334E+05	1.350E+05	1.361E+05	1.370E+05	1.378E+05
84490.	1.223E+05	1.284E+05	1.335E+05	1.379E+05	1.414E+05	1.443E+05	1.466E+05	1.483E+05	1.495E+05	1.504E+05	1.511E+05
92540.	1.334E+05	1.399E+05	1.455E+05	1.502E+05	1.540E+05	1.571E+05	1.595E+05	1.613E+05	1.627E+05	1.638E+05	1.643E+05
104600.	1.445E+05	1.520E+05	1.584E+05	1.637E+05	1.680E+05	1.715E+05	1.742E+05	1.762E+05	1.777E+05	1.787E+05	1.794E+05
124700.	1.545E+05	1.634E+05	1.708E+05	1.770E+05	1.820E+05	1.858E+05	1.887E+05	1.907E+05	1.918E+05	1.924E+05	1.927E+05
148900.	1.645E+05	1.745E+05	1.824E+05	1.884E+05	1.930E+05	1.964E+05	1.989E+05	2.008E+05	2.023E+05	2.034E+05	2.041E+05
201200.	1.845E+05	1.934E+05	2.008E+05	2.070E+05	2.120E+05	2.160E+05	2.190E+05	2.213E+05	2.229E+05	2.241E+05	2.249E+05
281600.	2.015E+05	2.095E+05	2.166E+05	2.226E+05	2.276E+05	2.316E+05	2.346E+05	2.368E+05	2.382E+05	2.392E+05	2.398E+05
362100.	2.155E+05	2.235E+05	2.306E+05	2.366E+05	2.416E+05	2.456E+05	2.486E+05	2.508E+05	2.522E+05	2.532E+05	2.538E+05
442600.	2.295E+05	2.375E+05	2.446E+05	2.506E+05	2.556E+05	2.596E+05	2.626E+05	2.648E+05	2.662E+05	2.672E+05	2.678E+05
523000.	2.435E+05	2.515E+05	2.586E+05	2.646E+05	2.696E+05	2.736E+05	2.766E+05	2.788E+05	2.802E+05	2.812E+05	2.818E+05
603500.	2.575E+05	2.655E+05	2.726E+05	2.786E+05	2.836E+05	2.876E+05	2.906E+05	2.928E+05	2.942E+05	2.952E+05	2.958E+05
684000.	2.715E+05	2.795E+05	2.866E+05	2.926E+05	2.976E+05	3.016E+05	3.046E+05	3.068E+05	3.082E+05	3.092E+05	3.098E+05
764400.	2.855E+05	2.935E+05	3.006E+05	3.066E+05	3.116E+05	3.156E+05	3.186E+05	3.208E+05	3.222E+05	3.232E+05	3.238E+05
844900.	2.995E+05	3.075E+05	3.146E+05	3.206E+05	3.256E+05	3.296E+05	3.326E+05	3.348E+05	3.362E+05	3.372E+05	3.378E+05
925400.	3.135E+05	3.215E+05	3.286E+05	3.346E+05	3.396E+05	3.436E+05	3.466E+05	3.488E+05	3.502E+05	3.512E+05	3.518E+05
1046000.	3.275E+05	3.355E+05	3.426E+05	3.486E+05	3.536E+05	3.576E+05	3.606E+05	3.628E+05	3.642E+05	3.652E+05	3.658E+05
1247000.	3.415E+05	3.495E+05	3.566E+05	3.626E+05	3.676E+05	3.716E+05	3.746E+05	3.768E+05	3.782E+05	3.792E+05	3.798E+05
1489000.	3.555E+05	3.635E+05	3.706E+05	3.766E+05	3.816E+05	3.856E+05	3.886E+05	3.908E+05	3.922E+05	3.932E+05	3.938E+05
1689000.	3.695E+05	3.775E+05	3.846E+05	3.906E+05	3.956E+05	3.996E+05	4.026E+05	4.048E+05	4.062E+05	4.072E+05	4.078E+05
1889000.	3.835E+05	3.915E+05	3.986E+05	4.046E+05	4.096E+05	4.136E+05	4.166E+05	4.188E+05	4.202E+05	4.212E+05	4.218E+05
2089000.	3.975E+05	4.055E+05	4.126E+05	4.186E+05	4.236E+05	4.276E+05	4.306E+05	4.328E+05	4.342E+05	4.352E+05	4.358E+05
2289000.	4.115E+05	4.195E+05	4.266E+05	4.326E+05	4.376E+05	4.416E+05	4.446E+05	4.468E+05	4.482E+05	4.492E+05	4.498E+05
2489000.	4.255E+05	4.335E+05	4.406E+05	4.466E+05	4.516E+05	4.556E+05	4.586E+05	4.608E+05	4.622E+05	4.632E+05	4.638E+05
2689000.	4.395E+05	4.475E+05	4.546E+05	4.606E+05	4.656E+05	4.696E+05	4.726E+05	4.748E+05	4.762E+05	4.772E+05	4.778E+05
2889000.	4.535E+05	4.615E+05	4.686E+05	4.746E+05	4.796E+05	4.836E+05	4.866E+05	4.888E+05	4.902E+05	4.912E+05	4.918E+05
3089000.	4.675E+05	4.755E+05	4.826E+05	4.886E+05	4.936E+05	4.976E+05	5.006E+05	5.028E+05	5.042E+05	5.052E+05	5.058E+05
3289000.	4.815E+05	4.895E+05	4.966E+05	5.026E+05	5.076E+05	5.116E+05	5.146E+05	5.168E+05	5.182E+05	5.192E+05	5.198E+05
3489000.	4.955E+05	5.035E+05	5.106E+05	5.166E+05	5.216E+05	5.256E+05	5.286E+05	5.308E+05	5.322E+05	5.332E+05	5.338E+05
3689000.	5.095E+05	5.175E+05	5.246E+05	5.306E+05	5.356E+05	5.396E+05	5.426E+05	5.448E+05	5.462E+05	5.472E+05	5.478E+05
3889000.	5.235E+05	5.315E+05	5.386E+05	5.446E+05	5.496E+05	5.536E+05	5.566E+05	5.588E+05	5.602E+05	5.612E+05	5.618E+05
4089000.	5.375E+05	5.455E+05	5.526E+05	5.586E+05	5.636E+05	5.676E+05	5.706E+05	5.728E+05	5.742E+05	5.752E+05	5.758E+05
4289000.	5.515E+05	5.595E+05	5.666E+05	5.726E+05	5.776E+05	5.816E+05	5.846E+05	5.868E+05	5.882E+05	5.892E+05	5.898E+05
4489000.	5.655E+05	5.735E+05	5.806E+05	5.866E+05	5.916E+05	5.956E+05	5.986E+05	6.008E+05	6.022E+05	6.032E+05	6.038E+05
4689000.	5.795E+05	5.875E+05	5.946E+05	6.006E+05	6.056E+05	6.096E+05	6.126E+05	6.148E+05	6.162E+05	6.172E+05	6.178E+05
4889000.	5.935E+05	6.015E+05	6.086E+05	6.146E+05	6.196E+05	6.236E+05	6.266E+05	6.288E+05	6.302E+05	6.312E+05	6.318E+05
5089000.	6.075E+05	6.155E+05	6.226E+05	6.286E+05	6.336E+05	6.376E+05	6.406E+05	6.428E+05	6.442E+05	6.452E+05	6.458E+05
5289000.	6.215E+05	6.295E+05	6.366E+05	6.426E+05	6.476E+05	6.516E+05	6.546E+05	6.568E+05	6.582E+05	6.592E+05	6.598E+05
5489000.	6.355E+05	6.435E+05	6.506E+05	6.566E+05	6.616E+05	6.656E+05	6.686E+05	6.708E+05	6.722E+05	6.732E+05	6.738E+05
5689000.	6.495E+05	6.575E+05	6.646E+05	6.706E+05	6.756E+05	6.796E+05	6.826E+05	6.848E+05	6.862E+05	6.872E+05	6.878E+05
5889000.	6.635E+05	6.715E+05	6.786E+05	6.846E+05	6.896E+05	6.936E+05	6.966E+05	6.988E+05	7.002E+05	7.012E+05	7.018E+05
6089000.	6.775E+05	6.855E+05	6.926E+05	6.986E+05	7.036E+05	7.076E+05	7.106E+05	7.128E+05	7.142E+05	7.152E+05	7.158E+05
6289000.	6.915E+05	6.995E+05	7.066E+05	7.126E+05	7.176E+05	7.216E+05	7.246E+05	7.268E+05	7.282E+05	7.292E+05	7.298E+05
6489000.	7.055E+05	7.135E+05	7.206E+05	7.266E+05	7.316E+05	7.356E+05	7.386E+05	7.408E+05	7.422E+05	7.432E+05	7.438E+05
6689000.	7.195E+05	7.275E+05	7.346E+05	7.406E+05	7.456E+05	7.496E+05	7.526E+05	7.548E+05	7.562E+05	7.572E+05	7.578E+05
6889000.	7.335E+05	7.415E+05	7.486E+05	7.546E+05	7.596E+05	7.636E+05	7.666E+05	7.688E+05	7.702E+05	7.712E+05	7.718E+05
7089000.	7.475E+05	7.555E+05	7.626E+05	7.686E+05	7.736E+05	7.776E+05	7.806E+05	7.828E+05	7.842E+05	7.852E+05	7.858E+05
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TABLE A.2.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)											
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00Q	
	1207.	9.277E+02E	9.470E+02E	9.630E+02D	9.760E+02D	9.862E+02D	9.939E+02C	9.944E+02C	1.003E+03C	1.008E+03B	1.008E+03B	1.010E+03*	
	2012.	1.809E+03C	1.839E+03C	1.864E+03B	1.883E+03B	1.897E+03B	1.908E+03*	1.916E+03*	1.922E+03	1.925E+03	1.928E+03	1.929E+03	
	2816.	2.634E+03	2.670E+03B	2.700E+03	2.723E+03*	2.741E+03	2.754E+03	2.763E+03	2.768E+03	2.772E+03	2.775E+03	2.777E+03	
	3621.	3.513E+03B	3.556E+03	3.591E+03*	3.617E+03	3.636E+03	3.650E+03	3.660E+03	3.668E+03	3.670E+03	3.673E+03	3.675E+03	
	4426.	4.387E+03	4.436E+03*	4.474E+03	4.503E+03	4.524E+03	4.539E+03	4.549E+03	4.558E+03	4.569E+03	4.582E+03	4.584E+03	
	5230.	5.263E+03*	5.317E+03	5.358E+03	5.399E+03	5.412E+03	5.427E+03	5.438E+03	5.448E+03	5.449E+03	5.452E+03	5.454E+03	
	6035.	6.137E+03	6.195E+03	6.240E+03	6.273E+03	6.297E+03	6.313E+03	6.324E+03	6.331E+03	6.335E+03	6.338E+03	6.340E+03	
	6840.	7.010E+03	7.073E+03	7.120E+03	7.156E+03	7.179E+03	7.196E+03	7.207E+03	7.214E+03	7.218E+03	7.221E+03	7.223E+03	
	7644.	7.879E+03	7.945E+03	7.995E+03	8.031E+03	8.057E+03	8.074E+03	8.085E+03	8.092E+03	8.098E+03	8.099E+03	8.101E+03	
	8851.	9.935E+03	1.001E+04	1.006E+04	1.010E+04	1.013E+04	1.015E+04	1.016E+04	1.017E+04	1.017E+04	1.018E+04	1.018E+04	
	10460.	1.198E+04	1.206E+04	1.212E+04	1.216E+04	1.219E+04	1.221E+04	1.222E+04	1.223E+04	1.223E+04	1.223E+04	1.224E+04	
	12470.	1.502E+04	1.511E+04	1.518E+04	1.522E+04	1.526E+04	1.528E+04	1.529E+04	1.530E+04	1.530E+04	1.530E+04	1.530E+04	
	14890.	1.808E+04	1.816E+04	1.823E+04	1.828E+04	1.831E+04	1.833E+04	1.835E+04	1.835E+04	1.838E+04	1.838E+04	1.838E+04	
	18110.	2.424E+04	2.435E+04	2.443E+04	2.449E+04	2.452E+04	2.454E+04	2.456E+04	2.458E+04	2.457E+04	2.457E+04	2.457E+04	
	22130.	3.034E+04	3.047E+04	3.058E+04	3.062E+04	3.065E+04	3.068E+04	3.069E+04	3.070E+04	3.070E+04	3.070E+04	3.071E+04	
	26150.	3.633E+04	3.647E+04	3.658E+04	3.662E+04	3.666E+04	3.668E+04	3.670E+04	3.670E+04	3.671E+04	3.671E+04	3.671E+04	
	30180.	4.227E+04	4.241E+04	4.251E+04	4.258E+04	4.262E+04	4.264E+04	4.266E+04	4.268E+04	4.267E+04	4.267E+04	4.267E+04	
	36210.	5.902E+04	5.919E+04	5.931E+04	5.938E+04	5.942E+04	5.944E+04	5.946E+04	5.947E+04	5.947E+04	5.947E+04	5.948E+04	
44280.	7.543E+04	7.562E+04	7.575E+04	7.582E+04	7.587E+04	7.589E+04	7.591E+04	7.592E+04	7.592E+04	7.592E+04	7.593E+04		
52300.	9.277E+04	9.298E+04	9.312E+04	9.320E+04	9.324E+04	9.327E+04	9.329E+04	9.329E+04	9.330E+04	9.330E+04	9.330E+04		
60350.	1.098E+05	1.101E+05	1.102E+05	1.103E+05	1.103E+05	1.104E+05	1.104E+05	1.104E+05	1.104E+05	1.104E+05	1.104E+05		
68400.	1.240E+05	1.243E+05	1.244E+05	1.245E+05	1.246E+05	1.246E+05	1.246E+05	1.246E+05	1.246E+05	1.246E+05	1.246E+05		
76440.	1.380E+05	1.382E+05	1.384E+05	1.385E+05	1.385E+05	1.386E+05	1.386E+05	1.386E+05	1.386E+05	1.386E+05	1.386E+05		
84490.	1.515E+05	1.517E+05	1.519E+05	1.520E+05	1.520E+05	1.521E+05	1.521E+05	1.521E+05	1.521E+05	1.521E+05	1.521E+05		
92640.	1.647E+05	1.650E+05	1.651E+05	1.652E+05	1.653E+05	1.653E+05	1.653E+05	1.653E+05	1.653E+05	1.653E+05	1.653E+05		
104600.	1.899E+05	1.902E+05	1.903E+05	1.904E+05	1.905E+05	1.905E+05	1.905E+05	1.905E+05	1.905E+05	1.905E+05	1.905E+05		
124700.	2.253E+05	2.257E+05	2.258E+05	2.259E+05	2.260E+05	2.260E+05	2.260E+05	2.260E+05	2.260E+05	2.260E+05	2.261E+05		
148900.	2.582E+05	2.585E+05	2.587E+05	2.588E+05	2.589E+05	2.589E+05	2.589E+05	2.589E+05	2.589E+05	2.589E+05	2.589E+05		
201200.	3.501E+05	3.505E+05	3.507E+05	3.508E+05	3.508E+05	3.509E+05	3.509E+05	3.509E+05	3.509E+05	3.509E+05	3.509E+05		
281600.	4.217E+05	4.221E+05	4.223E+05	4.224E+05	4.225E+05	4.225E+05	4.225E+05	4.225E+05	4.225E+05	4.225E+05	4.225E+05		
442800.	5.478E+05	5.480E+05	5.482E+05	5.483E+05	5.484E+05	5.484E+05	5.484E+05	5.484E+05	5.484E+05	5.484E+05	5.484E+05		
684000.	6.053E+05	6.057E+05	6.059E+05	6.061E+05	6.061E+05	6.061E+05	6.062E+05	6.062E+05	6.062E+05	6.062E+05	6.062E+05		

TABLE A.2.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03
2012.		1.930E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03	1.931E-03
2816.		2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03	2.778E-03
3621.		3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03	3.676E-03
4426.		4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03	4.565E-03
5230.		5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03	5.455E-03
6036.		6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03	6.341E-03
6840.		7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03	7.225E-03
7644.		8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03	8.103E-03
8851.		1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04	1.018E-04
10480.		1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04	1.224E-04
12470.		1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04	1.531E-04
14890.		1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04	1.836E-04
18110.		2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04	2.458E-04
22130.		3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04	3.071E-04
26150.		3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04	3.672E-04
30180.		4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04	4.267E-04
36210.		5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04	5.948E-04
44260.		7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04	7.593E-04
52300.		9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04	9.330E-04
60350.		1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05	1.104E-05
68400.		1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05	1.246E-05
76440.		1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05	1.386E-05
84490.		1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05	1.521E-05
92640.		1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05	1.653E-05
104600.		1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05	1.905E-05
124700.		2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05	2.261E-05
148900.		2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05	2.589E-05
201200.		3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05	3.509E-05
281800.		4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05	4.225E-05
442600.		5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05	5.484E-05
684000.		6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05	6.062E-05

TABLE A.3.1. Early Dose for Pasquill A, 3.0 m/sec. Release Term is SST3:
70-Year Effective Dose for an Individual

INDIVIDUAL

ANGLE FROM
CENTERLINE

(DEGREES)

DIST
(METERS)

	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
- 201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	6.160E-01*	6.195E-01*	6.298E-01*	6.469E-01*	6.703E-01*	6.997E-01*	7.344E-01*	7.737E-01*	8.170E-01*	8.631E-01*	9.112E-01*
1207.	1.831E-01	1.833E-01	1.840E-01	1.851E-01	1.865E-01	1.882E-01	1.902E-01	1.922E-01	1.942E-01	1.960E-01	1.975E-01
2012.	.000E+00	9.105E-02	9.093E-02	9.072E-02	9.041E-02	8.998E-02	8.941E-02	8.867E-02	8.772E-02	8.655E-02	8.511E-02
2818.	.000E+00	6.773E-02	6.743E-02	6.694E-02	6.625E-02	6.536E-02	6.426E-02	6.295E-02	6.141E-02	5.968E-02	5.769E-02
3621.	.000E+00	5.404E-02	5.378E-02	5.334E-02	5.272E-02	5.192E-02	5.093E-02	4.976E-02	4.840E-02	4.686E-02	4.513E-02
4426.	.000E+00	4.498E-02	4.474E-02	4.434E-02	4.378E-02	4.308E-02	4.217E-02	4.112E-02	3.991E-02	3.854E-02	3.700E-02
5230.	.000E+00	3.853E-02	3.831E-02	3.794E-02	3.743E-02	3.678E-02	3.598E-02	3.503E-02	3.393E-02	3.269E-02	3.132E-02
6035.	.000E+00	3.368E-02	3.348E-02	3.315E-02	3.268E-02	3.208E-02	3.135E-02	3.048E-02	2.948E-02	2.836E-02	2.710E-02
6840.	.000E+00	2.991E-02	2.972E-02	2.941E-02	2.898E-02	2.843E-02	2.775E-02	2.695E-02	2.604E-02	2.500E-02	2.386E-02
7644.	.000E+00	2.688E-02	2.671E-02	2.642E-02	2.602E-02	2.551E-02	2.488E-02	2.414E-02	2.329E-02	2.234E-02	2.128E-02
8851.	.000E+00	2.332E-02	2.317E-02	2.291E-02	2.255E-02	2.209E-02	2.153E-02	2.087E-02	2.012E-02	1.927E-02	1.833E-02
10460.	.000E+00	1.979E-02	1.965E-02	1.943E-02	1.911E-02	1.871E-02	1.821E-02	1.763E-02	1.697E-02	1.623E-02	1.540E-02
12470.	.000E+00	1.658E-02	1.647E-02	1.627E-02	1.599E-02	1.564E-02	1.521E-02	1.471E-02	1.413E-02	1.349E-02	1.278E-02
14890.	.000E+00	1.385E-02	1.375E-02	1.357E-02	1.333E-02	1.303E-02	1.265E-02	1.222E-02	1.172E-02	1.116E-02	1.054E-02
18110.	.000E+00	1.129E-02	1.120E-02	1.105E-02	1.085E-02	1.059E-02	1.028E-02	9.908E-03	9.485E-03	9.014E-03	8.497E-03
22130.	.000E+00	9.110E-03	9.036E-03	8.913E-03	8.742E-03	8.523E-03	8.258E-03	7.948E-03	7.594E-03	7.201E-03	6.770E-03
26150.	.000E+00	7.588E-03	7.524E-03	7.417E-03	7.268E-03	7.078E-03	6.847E-03	6.579E-03	6.273E-03	5.934E-03	5.564E-03
30180.	.000E+00	6.485E-03	6.408E-03	6.314E-03	6.182E-03	6.014E-03	5.811E-03	5.574E-03	5.306E-03	5.009E-03	4.686E-03
36210.	.000E+00	5.243E-03	5.196E-03	5.117E-03	5.007E-03	4.867E-03	4.698E-03	4.501E-03	4.279E-03	4.032E-03	3.763E-03
44260.	.000E+00	4.138E-03	4.099E-03	4.034E-03	3.944E-03	3.830E-03	3.692E-03	3.532E-03	3.350E-03	3.149E-03	2.932E-03
52300.	.000E+00	3.377E-03	3.344E-03	3.289E-03	3.213E-03	3.116E-03	2.999E-03	2.863E-03	2.710E-03	2.541E-03	2.359E-03
60350.	.000E+00	2.825E-03	2.796E-03	2.748E-03	2.682E-03	2.598E-03	2.497E-03	2.380E-03	2.249E-03	2.104E-03	1.948E-03
68400.	.000E+00	2.407E-03	2.382E-03	2.340E-03	2.282E-03	2.208E-03	2.120E-03	2.018E-03	1.903E-03	1.777E-03	1.642E-03
76440.	.000E+00	2.082E-03	2.060E-03	2.023E-03	1.971E-03	1.906E-03	1.828E-03	1.738E-03	1.636E-03	1.525E-03	1.406E-03
84490.	.000E+00	1.822E-03	1.802E-03	1.769E-03	1.723E-03	1.665E-03	1.595E-03	1.515E-03	1.424E-03	1.326E-03	1.220E-03
92540.	.000E+00	1.610E-03	1.592E-03	1.562E-03	1.521E-03	1.468E-03	1.406E-03	1.333E-03	1.252E-03	1.164E-03	1.070E-03
104600.	.000E+00	1.356E-03	1.340E-03	1.315E-03	1.280E-03	1.235E-03	1.182E-03	1.120E-03	1.051E-03	9.757E-04	8.952E-04
124700.	.000E+00	1.052E-03	1.040E-03	1.020E-03	9.918E-04	9.568E-04	9.144E-04	8.657E-04	8.112E-04	7.518E-04	6.883E-04
148900.	.000E+00	8.067E-04	7.971E-04	7.811E-04	7.591E-04	7.313E-04	6.979E-04	6.595E-04	6.166E-04	5.699E-04	5.202E-04
201200.	.000E+00	4.904E-04	4.847E-04	4.751E-04	4.618E-04	4.449E-04	4.246E-04	4.012E-04	3.749E-04	3.462E-04	3.155E-04
281600.	.000E+00	2.685E-04	2.633E-04	2.580E-04	2.508E-04	2.412E-04	2.299E-04	2.168E-04	2.021E-04	1.861E-04	1.689E-04
442600.	.000E+00	9.377E-05	9.285E-05	9.128E-05	8.907E-05	8.619E-05	8.263E-05	7.839E-05	7.350E-05	6.801E-05	6.199E-05
684000.	.000E+00	2.685E-05	2.663E-05	2.627E-05	2.573E-05	2.501E-05	2.408E-05	2.295E-05	2.159E-05	2.003E-05	1.827E-05

TABLE A.3.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)									
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	9.801E-01*	1.009E+00	1.056E+00	1.100E+00	1.139E+00	1.174E+00	1.201E+00	1.220E+00	1.230E+00	1.229E+00
1207.	1.986E-01	1.990E-01	1.987E-01	1.975E-01	1.951E-01	1.910E-01	1.867E-01	1.805E-01	1.728E-01	1.630E-01
2012.	8.337E-02	8.130E-02	7.887E-02	7.606E-02	7.265E-02	6.924E-02	6.522E-02	6.061E-02	5.605E-02	5.098E-02
2816.	5.549E-02	5.306E-02	5.042E-02	4.757E-02	4.452E-02	4.129E-02	3.792E-02	3.442E-02	3.084E-02	2.723E-02
3621.	4.321E-02	4.112E-02	3.885E-02	3.642E-02	3.385E-02	3.115E-02	2.827E-02	2.549E-02	2.269E-02	1.983E-02
4426.	3.531E-02	3.347E-02	3.149E-02	2.938E-02	2.718E-02	2.485E-02	2.247E-02	2.013E-02	1.784E-02	1.553E-02
5230.	2.980E-02	2.816E-02	2.640E-02	2.453E-02	2.258E-02	2.055E-02	1.859E-02	1.659E-02	1.457E-02	1.256E-02
6035.	2.573E-02	2.425E-02	2.267E-02	2.100E-02	1.928E-02	1.755E-02	1.578E-02	1.399E-02	1.219E-02	1.043E-02
6840.	2.261E-02	2.128E-02	1.982E-02	1.831E-02	1.680E-02	1.524E-02	1.364E-02	1.202E-02	1.042E-02	8.851E-03
7644.	2.013E-02	1.889E-02	1.757E-02	1.623E-02	1.485E-02	1.341E-02	1.195E-02	1.049E-02	9.048E-03	7.686E-03
8451.	1.730E-02	1.620E-02	1.504E-02	1.381E-02	1.255E-02	1.130E-02	1.004E-02	8.770E-03	7.525E-03	6.331E-03
10460.	1.451E-02	1.355E-02	1.254E-02	1.148E-02	1.039E-02	9.275E-03	8.138E-03	6.992E-03	5.840E-03	4.686E-03
12470.	1.201E-02	1.118E-02	1.031E-02	9.406E-03	8.475E-03	7.532E-03	6.613E-03	5.723E-03	4.853E-03	4.021E-03
14890.	9.880E-03	9.172E-03	8.428E-03	7.658E-03	6.867E-03	6.072E-03	5.300E-03	4.559E-03	3.840E-03	3.244E-03
18110.	7.940E-03	7.348E-03	6.727E-03	6.085E-03	5.432E-03	4.776E-03	4.130E-03	3.521E-03	2.944E-03	2.401E-03
22130.	6.307E-03	5.815E-03	5.302E-03	4.774E-03	4.238E-03	3.704E-03	3.163E-03	2.688E-03	2.231E-03	1.803E-03
26160.	5.167E-03	4.748E-03	4.313E-03	3.866E-03	3.418E-03	2.970E-03	2.553E-03	2.160E-03	1.788E-03	1.438E-03
30180.	4.340E-03	3.976E-03	3.600E-03	3.215E-03	2.830E-03	2.484E-03	2.105E-03	1.760E-03	1.436E-03	1.138E-03
36210.	3.477E-03	3.176E-03	2.866E-03	2.549E-03	2.233E-03	1.922E-03	1.625E-03	1.351E-03	1.095E-03	8.621E-04
44260.	2.700E-03	2.457E-03	2.207E-03	1.954E-03	1.702E-03	1.456E-03	1.220E-03	1.003E-03	8.073E-04	6.300E-04
52300.	2.165E-03	1.983E-03	1.756E-03	1.547E-03	1.340E-03	1.140E-03	9.585E-04	7.840E-04	6.249E-04	4.824E-04
60350.	1.783E-03	1.611E-03	1.436E-03	1.261E-03	1.088E-03	9.269E-04	7.726E-04	6.280E-04	4.961E-04	3.793E-04
68440.	1.499E-03	1.350E-03	1.200E-03	1.049E-03	9.085E-04	7.680E-04	6.329E-04	5.137E-04	4.029E-04	3.057E-04
76440.	1.281E-03	1.151E-03	1.020E-03	8.921E-04	7.675E-04	6.470E-04	5.329E-04	4.276E-04	3.339E-04	2.530E-04
84490.	1.109E-03	9.946E-04	8.803E-04	7.685E-04	6.585E-04	5.528E-04	4.529E-04	3.615E-04	2.819E-04	2.122E-04
92540.	9.704E-04	8.684E-04	7.685E-04	6.687E-04	5.710E-04	4.774E-04	3.897E-04	3.112E-04	2.410E-04	1.801E-04
104600.	8.109E-04	7.242E-04	6.368E-04	5.506E-04	4.691E-04	3.911E-04	3.181E-04	2.516E-04	1.939E-04	1.441E-04
124700.	6.219E-04	5.538E-04	4.852E-04	4.175E-04	3.522E-04	2.905E-04	2.347E-04	1.850E-04	1.411E-04	1.036E-04
201200.	2.834E-04	2.505E-04	2.175E-04	1.852E-04	1.542E-04	1.253E-04	9.893E-05	7.569E-05	5.133E-05	3.967E-05
281600.	1.510E-04	1.326E-04	1.143E-04	9.847E-05	7.947E-05	6.373E-05	4.958E-05	3.726E-05	2.893E-05	1.861E-05
442600.	5.557E-05	4.888E-05	4.209E-05	3.540E-05	2.899E-05	2.304E-05	1.770E-05	1.309E-05	9.268E-06	6.245E-06
684000.	1.636E-05	1.435E-05	1.229E-05	1.025E-05	8.299E-06	6.497E-06	4.899E-06	3.539E-06	2.437E-06	1.589E-06

TABLE A.3.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)												
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.193E+00B	1.157E+00B	1.108E+00B	1.047E+00B	9.752E-01*	8.929E-01*	8.024E-01*	7.057E-01*	6.055E-01*	5.051E-01*	4.075E-01	3.126E-02	2.765E-03
1207.	1.412E-01	1.282E-01	1.144E-01	9.986E-02	8.531E-02	7.083E-02	5.635E-02	4.111E-02	2.677E-02	1.248E-02	0.000E-02	0.000E-02	0.000E-02
2012.	4.022E-02	3.472E-02	2.929E-02	2.405E-02	1.914E-02	1.578E-02	1.335E-02	1.041E-02	7.428E-03	4.803E-03	2.612E-03	1.191E-03	5.812E-04
2816.	2.013E-02	1.766E-02	1.503E-02	1.241E-02	9.829E-03	7.415E-03	5.283E-03	3.516E-03	2.153E-03	1.051E-03	5.609E-04	2.868E-04	1.219E-04
3621.	1.456E-02	1.202E-02	9.639E-03	7.461E-03	5.541E-03	3.918E-03	2.611E-03	1.736E-03	1.051E-03	5.609E-04	2.868E-04	1.219E-04	5.812E-05
4426.	1.105E-02	8.988E-03	7.051E-03	5.342E-03	3.918E-03	2.730E-03	1.780E-03	1.071E-03	5.836E-04	2.813E-04	1.219E-04	5.812E-05	2.765E-06
5230.	8.739E-03	7.002E-03	5.479E-03	4.121E-03	2.958E-03	2.002E-03	1.266E-03	7.399E-04	3.929E-04	1.822E-04	7.118E-05	2.765E-06	1.133E-06
6036.	7.153E-03	5.713E-03	4.405E-03	3.259E-03	2.295E-03	1.533E-03	9.583E-04	5.463E-04	2.782E-04	1.236E-04	4.446E-05	1.620E-06	5.191E-06
6840.	6.022E-03	4.753E-03	3.617E-03	2.642E-03	1.849E-03	1.216E-03	7.415E-04	4.128E-04	2.086E-04	8.918E-05	3.190E-05	1.075E-05	3.296E-05
7644.	5.147E-03	4.025E-03	3.046E-03	2.211E-03	1.521E-03	9.821E-04	5.912E-04	3.239E-04	1.577E-04	6.617E-05	2.296E-05	8.422E-06	2.765E-06
8451.	4.179E-03	3.239E-03	2.422E-03	1.735E-03	1.178E-03	7.461E-04	4.394E-04	2.339E-04	1.099E-04	4.456E-05	1.472E-05	4.969E-06	1.620E-06
10480.	3.281E-03	2.520E-03	1.858E-03	1.309E-03	8.730E-04	5.437E-04	3.121E-04	1.618E-04	7.337E-05	2.837E-05	8.942E-06	2.765E-06	1.133E-06
12470.	2.538E-03	1.925E-03	1.403E-03	9.725E-04	6.347E-04	3.873E-04	2.163E-04	1.086E-04	4.765E-05	1.759E-05	5.191E-06	1.620E-06	5.191E-06
14890.	1.955E-03	1.462E-03	1.052E-03	7.171E-04	4.591E-04	2.730E-04	1.499E-04	7.234E-05	3.053E-05	1.075E-05	3.001E-06	8.969E-07	3.086E-07
22130.	1.089E-03	7.761E-04	5.377E-04	3.545E-04	2.180E-04	1.233E-04	6.305E-05	2.869E-05	1.852E-05	6.195E-06	1.820E-06	5.191E-06	1.620E-06
26150.	8.188E-04	5.861E-04	4.031E-04	2.611E-04	1.573E-04	8.691E-05	4.336E-05	2.163E-05	1.056E-05	3.495E-06	8.535E-07	2.765E-07	8.969E-07
30180.	6.497E-04	4.638E-04	3.140E-04	1.997E-04	1.179E-04	6.401E-05	3.131E-05	1.336E-05	4.807E-06	1.402E-06	3.086E-07	8.969E-07	3.086E-07
36210.	4.805E-04	3.385E-04	2.267E-04	1.411E-04	8.160E-05	4.336E-05	2.054E-05	8.435E-06	2.902E-06	8.041E-07	1.659E-07	4.617E-08	1.620E-06
44280.	3.429E-04	2.383E-04	1.546E-04	9.505E-05	5.389E-05	2.775E-05	1.275E-05	5.047E-06	1.659E-06	4.329E-07	8.284E-08	2.765E-08	1.620E-06
52300.	2.560E-04	1.738E-04	1.125E-04	6.791E-05	3.769E-05	1.891E-05	8.440E-06	3.242E-06	1.028E-06	2.557E-07	4.617E-08	1.620E-06	1.620E-06
60350.	1.982E-04	1.341E-04	8.539E-05	5.056E-05	2.748E-05	1.353E-05	5.897E-06	2.192E-06	6.892E-07	1.600E-07	2.765E-08	1.620E-06	1.620E-06
68400.	1.584E-04	1.057E-04	6.624E-05	3.867E-05	2.089E-05	1.009E-05	4.279E-06	1.544E-06	4.592E-07	1.051E-07	1.724E-08	1.620E-06	1.620E-06
76440.	1.285E-04	8.484E-05	5.287E-05	3.084E-05	1.620E-05	7.678E-06	3.209E-06	1.137E-06	3.264E-07	7.203E-08	1.133E-08	1.620E-06	1.620E-06
84490.	1.058E-04	6.959E-05	4.297E-05	2.456E-05	1.282E-05	6.028E-06	2.487E-06	8.516E-07	2.395E-07	5.126E-08	1.133E-08	1.620E-06	1.620E-06
92540.	8.894E-05	5.795E-05	3.533E-05	2.000E-05	1.038E-05	4.789E-06	1.930E-06	6.572E-07	1.797E-07	3.738E-08	1.133E-08	1.620E-06	1.620E-06
104600.	6.989E-05	4.506E-05	2.714E-05	1.514E-05	7.705E-06	3.487E-06	1.377E-06	4.567E-07	1.214E-07	2.434E-08	1.133E-08	1.620E-06	1.620E-06
124700.	4.899E-05	3.105E-05	1.839E-05	1.007E-05	4.988E-06	2.202E-06	8.374E-07	2.865E-07	6.748E-08	1.279E-08	1.133E-08	1.620E-06	1.620E-06
148900.	3.378E-05	2.104E-05	1.228E-05	6.568E-06	3.173E-06	1.359E-06	5.002E-07	1.529E-07	3.688E-08	1.000E-08	1.133E-08	1.620E-06	1.620E-06
201200.	1.738E-05	1.057E-05	5.954E-06	3.059E-06	1.413E-06	5.779E-07	2.004E-07	6.674E-08	1.256E-08	1.000E-08	1.133E-08	1.620E-06	1.620E-06
281600.	7.560E-06	4.498E-06	2.473E-06	1.229E-06	5.412E-07	2.065E-07	6.829E-08	1.723E-08	1.000E-08	1.000E-08	1.133E-08	1.620E-06	1.620E-06
442800.	2.372E-06	1.312E-06	6.841E-07	3.031E-07	1.284E-07	4.510E-08	1.317E-08	1.000E-08	1.000E-08	1.000E-08	1.133E-08	1.620E-06	1.620E-06
684000.	5.529E-07	2.893E-07	1.372E-07	5.923E-08	2.441E-08	1.000E-08	1.000E-08	1.000E-08	1.000E-08	1.000E-08	1.133E-08	1.620E-06	1.620E-06

TABLE A.3.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.			3.163E-01	2.343E-01	1.643E-01	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.			2.261E-02	1.384E-02	7.065E-03	2.902E-03	9.061E-04	1.971E-04	2.613E-05	1.713E-06	.000E+00	.000E+00	.000E+00
2012.			1.381E-03	5.786E-04	1.934E-04	4.806E-05	1.297E-05	1.511E-06	5.686E-08	.000E+00	.000E+00	.000E+00	.000E+00
2818.			2.820E-04	1.108E-04	3.096E-05	5.636E-06	5.789E-07	2.628E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3821.			9.659E-05	2.831E-05	5.980E-06	9.574E-07	7.584E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4428.			4.409E-05	1.187E-05	2.172E-06	2.354E-07	1.224E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.			2.232E-05	5.415E-06	9.180E-07	8.572E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.			1.376E-05	2.978E-06	4.230E-07	3.535E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.			8.968E-06	1.823E-06	2.353E-07	1.621E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.			6.152E-06	1.176E-06	1.408E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.			3.738E-06	6.611E-07	7.126E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.			2.091E-06	3.400E-07	3.300E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.			1.140E-06	1.678E-07	1.430E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.			6.147E-07	8.262E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.			3.059E-07	3.715E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.			1.476E-07	1.609E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.			8.020E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.			4.701E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.			2.334E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.			1.069E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.3.2. Early Dose for Paşquill A, 3.0 m/sec, Release Term is SST3:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)		DIST. (METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
201. 604. 1207. 2012. 2816. 3621. 4428. 5230. 6035. 6840. 7644. 8851. 10460. 12470. 14890. 22130. 26150. 30180. 36210. 44260. 52300. 60350. 68400. 76440. 84490. 92540. 104600. 124700. 148900. 201200. 281600. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.3.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	4.066E+00	4.436E+00	4.806E+00	5.173E+00	5.536E+00	5.892E+00	6.239E+00	6.575E+00	6.896E+00	7.200E+00	7.484E+00	7.748E+00
2012.	8.234E+00	8.952E+00	9.659E+00	1.035E+01	1.103E+01	1.168E+01	1.231E+01	1.290E+01	1.346E+01	1.398E+01	1.446E+01	1.486E+01
2816.	1.239E+01	1.342E+01	1.443E+01	1.541E+01	1.635E+01	1.725E+01	1.810E+01	1.890E+01	1.964E+01	2.033E+01	2.095E+01	2.148E+01
3621.	1.689E+01	1.828E+01	1.969E+01	2.087E+01	2.208E+01	2.324E+01	2.432E+01	2.533E+01	2.628E+01	2.711E+01	2.787E+01	2.856E+01
4426.	2.142E+01	2.313E+01	2.477E+01	2.634E+01	2.783E+01	2.923E+01	3.054E+01	3.175E+01	3.286E+01	3.386E+01	3.475E+01	3.552E+01
5230.	2.600E+01	2.804E+01	2.999E+01	3.185E+01	3.360E+01	3.525E+01	3.678E+01	3.818E+01	3.946E+01	4.061E+01	4.163E+01	4.252E+01
6035.	3.060E+01	3.297E+01	3.523E+01	3.737E+01	3.939E+01	4.127E+01	4.301E+01	4.461E+01	4.606E+01	4.735E+01	4.848E+01	4.946E+01
6840.	3.521E+01	3.791E+01	4.047E+01	4.290E+01	4.517E+01	4.729E+01	4.925E+01	5.103E+01	5.264E+01	5.407E+01	5.532E+01	5.632E+01
7644.	3.981E+01	4.283E+01	4.570E+01	4.841E+01	5.094E+01	5.329E+01	5.545E+01	5.741E+01	5.917E+01	6.074E+01	6.210E+01	6.325E+01
8451.	5.078E+01	5.456E+01	5.812E+01	6.148E+01	6.461E+01	6.749E+01	7.013E+01	7.250E+01	7.462E+01	7.648E+01	7.809E+01	7.945E+01
10460.	6.166E+01	6.620E+01	7.048E+01	7.448E+01	7.818E+01	8.158E+01	8.467E+01	8.745E+01	8.991E+01	9.205E+01	9.389E+01	9.542E+01
12470.	7.795E+01	8.361E+01	8.892E+01	9.385E+01	9.840E+01	1.026E+02	1.063E+02	1.097E+02	1.126E+02	1.151E+02	1.173E+02	1.192E+02
14890.	9.421E+01	1.010E+02	1.078E+02	1.131E+02	1.165E+02	1.234E+02	1.278E+02	1.317E+02	1.351E+02	1.380E+02	1.405E+02	1.426E+02
18110.	1.272E+02	1.362E+02	1.445E+02	1.522E+02	1.592E+02	1.655E+02	1.711E+02	1.761E+02	1.803E+02	1.840E+02	1.870E+02	1.895E+02
22130.	1.597E+02	1.708E+02	1.811E+02	1.905E+02	1.981E+02	2.047E+02	2.135E+02	2.195E+02	2.246E+02	2.289E+02	2.324E+02	2.352E+02
26150.	1.914E+02	2.045E+02	2.178E+02	2.278E+02	2.378E+02	2.468E+02	2.547E+02	2.616E+02	2.674E+02	2.723E+02	2.764E+02	2.798E+02
30180.	2.227E+02	2.378E+02	2.518E+02	2.645E+02	2.760E+02	2.862E+02	2.951E+02	3.029E+02	3.095E+02	3.150E+02	3.194E+02	3.232E+02
36210.	3.102E+02	3.309E+02	3.499E+02	3.670E+02	3.824E+02	3.959E+02	4.077E+02	4.178E+02	4.263E+02	4.333E+02	4.390E+02	4.434E+02
44260.	3.950E+02	4.209E+02	4.447E+02	4.660E+02	4.851E+02	5.017E+02	5.162E+02	5.284E+02	5.387E+02	5.470E+02	5.538E+02	5.592E+02
52300.	4.839E+02	5.150E+02	5.436E+02	5.693E+02	5.920E+02	6.118E+02	6.289E+02	6.434E+02	6.553E+02	6.650E+02	6.726E+02	6.783E+02
60350.	5.699E+02	6.066E+02	6.398E+02	6.696E+02	6.958E+02	7.187E+02	7.383E+02	7.547E+02	7.685E+02	7.792E+02	7.878E+02	7.945E+02
68400.	6.446E+02	6.868E+02	7.228E+02	7.560E+02	7.852E+02	8.106E+02	8.323E+02	8.505E+02	8.654E+02	8.773E+02	8.866E+02	8.934E+02
84490.	7.171E+02	7.625E+02	8.035E+02	8.400E+02	8.722E+02	9.000E+02	9.236E+02	9.434E+02	9.595E+02	9.724E+02	9.824E+02	9.895E+02
92540.	7.869E+02	8.363E+02	8.809E+02	9.208E+02	9.554E+02	9.855E+02	1.011E+03	1.032E+03	1.050E+03	1.063E+03	1.074E+03	1.083E+03
104600.	8.546E+02	9.080E+02	9.581E+02	9.989E+02	1.036E+03	1.069E+03	1.096E+03	1.118E+03	1.137E+03	1.151E+03	1.163E+03	1.172E+03
124700.	9.824E+02	1.043E+03	1.098E+03	1.146E+03	1.188E+03	1.224E+03	1.255E+03	1.280E+03	1.301E+03	1.317E+03	1.329E+03	1.338E+03
148900.	1.160E+03	1.231E+03	1.294E+03	1.350E+03	1.399E+03	1.440E+03	1.475E+03	1.504E+03	1.527E+03	1.545E+03	1.558E+03	1.566E+03
189000.	1.322E+03	1.402E+03	1.473E+03	1.536E+03	1.590E+03	1.637E+03	1.675E+03	1.707E+03	1.732E+03	1.751E+03	1.766E+03	1.778E+03
201200.	1.784E+03	1.888E+03	1.961E+03	2.042E+03	2.111E+03	2.170E+03	2.218E+03	2.257E+03	2.286E+03	2.311E+03	2.328E+03	2.340E+03
281800.	2.098E+03	2.221E+03	2.329E+03	2.423E+03	2.504E+03	2.571E+03	2.626E+03	2.670E+03	2.704E+03	2.730E+03	2.749E+03	2.762E+03
442600.	2.684E+03	2.819E+03	2.954E+03	3.072E+03	3.171E+03	3.253E+03	3.319E+03	3.372E+03	3.412E+03	3.442E+03	3.464E+03	3.478E+03
684000.	2.918E+03	3.067E+03	3.235E+03	3.362E+03	3.470E+03	3.559E+03	3.630E+03	3.686E+03	3.729E+03	3.760E+03	3.783E+03	3.798E+03

TABLE A.3.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)											
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201. 604. 1207. 2012. 2816. 3621. 4428. 5230. 6036. 6840. 7644. 8451. 10460. 12470. 14890. 18110. 22130. 26150. 30180. 36210. 44260. 52300. 60360. 68400. 76440. 84490. 92540. 104600. 124700. 148900. 201200. 281600. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	7.747E+00	7.985E+00	8.198E+00	8.384E+00	8.542E+00	8.674E+00	8.780E+00	8.862E+00	8.923E+00	8.990E+00	9.048E+00	.000E+00	
	1.490E+01	1.529E+01	1.562E+01	1.591E+01	1.615E+01	1.635E+01	1.652E+01	1.664E+01	1.673E+01	1.682E+01	1.689E+01	.000E+00	
	2.151E+01	2.200E+01	2.242E+01	2.279E+01	2.309E+01	2.333E+01	2.352E+01	2.367E+01	2.378E+01	2.387E+01	2.395E+01	.000E+00	
	2.855E+01	2.914E+01	2.964E+01	3.007E+01	3.041E+01	3.069E+01	3.090E+01	3.107E+01	3.118E+01	3.128E+01	3.136E+01	.000E+00	
	3.584E+01	3.622E+01	3.679E+01	3.727E+01	3.765E+01	3.796E+01	3.819E+01	3.836E+01	3.848E+01	3.858E+01	3.866E+01	.000E+00	
	4.252E+01	4.328E+01	4.392E+01	4.445E+01	4.487E+01	4.519E+01	4.544E+01	4.562E+01	4.575E+01	4.585E+01	4.593E+01	.000E+00	
	4.947E+01	5.031E+01	5.101E+01	5.168E+01	5.203E+01	5.238E+01	5.264E+01	5.283E+01	5.296E+01	5.307E+01	5.314E+01	.000E+00	
	5.640E+01	5.731E+01	5.807E+01	5.868E+01	5.916E+01	5.952E+01	5.979E+01	5.999E+01	6.012E+01	6.023E+01	6.031E+01	.000E+00	
	6.328E+01	6.426E+01	6.506E+01	6.571E+01	6.621E+01	6.659E+01	6.689E+01	6.708E+01	6.721E+01	6.732E+01	6.740E+01	.000E+00	
	7.045E+01	7.150E+01	7.241E+01	7.315E+01	7.371E+01	7.409E+01	7.438E+01	7.458E+01	7.470E+01	7.482E+01	7.494E+01	.000E+00	
	9.544E+01	9.671E+01	9.774E+01	9.855E+01	9.915E+01	9.960E+01	9.992E+01	1.001E+02	1.003E+02	1.004E+02	1.005E+02	.000E+00	
	1.191E+02	1.206E+02	1.217E+02	1.228E+02	1.238E+02	1.248E+02	1.247E+02	1.244E+02	1.245E+02	1.246E+02	1.247E+02	.000E+00	
	1.425E+02	1.441E+02	1.454E+02	1.464E+02	1.471E+02	1.477E+02	1.480E+02	1.483E+02	1.484E+02	1.485E+02	1.486E+02	.000E+00	
	1.895E+02	1.915E+02	1.930E+02	1.941E+02	1.949E+02	1.955E+02	1.959E+02	1.962E+02	1.963E+02	1.964E+02	1.965E+02	.000E+00	
2.353E+02	2.376E+02	2.393E+02	2.405E+02	2.414E+02	2.421E+02	2.425E+02	2.427E+02	2.429E+02	2.430E+02	2.431E+02	.000E+00		
2.798E+02	2.821E+02	2.840E+02	2.854E+02	2.863E+02	2.870E+02	2.874E+02	2.877E+02	2.879E+02	2.880E+02	2.881E+02	.000E+00		
3.230E+02	3.257E+02	3.278E+02	3.293E+02	3.303E+02	3.310E+02	3.314E+02	3.317E+02	3.319E+02	3.320E+02	3.321E+02	.000E+00		
4.433E+02	4.467E+02	4.491E+02	4.508E+02	4.520E+02	4.528E+02	4.535E+02	4.536E+02	4.537E+02	4.538E+02	4.539E+02	.000E+00		
5.588E+02	5.628E+02	5.654E+02	5.673E+02	5.686E+02	5.694E+02	5.699E+02	5.702E+02	5.704E+02	5.705E+02	5.706E+02	.000E+00		
6.785E+02	6.828E+02	6.859E+02	6.880E+02	6.894E+02	6.903E+02	6.908E+02	6.911E+02	6.913E+02	6.914E+02	6.915E+02	.000E+00		
7.942E+02	7.990E+02	8.024E+02	8.047E+02	8.061E+02	8.071E+02	8.079E+02	8.081E+02	8.081E+02	8.082E+02	8.083E+02	.000E+00		
8.986E+02	8.987E+02	9.023E+02	9.047E+02	9.062E+02	9.072E+02	9.078E+02	9.081E+02	9.083E+02	9.084E+02	9.085E+02	.000E+00		
9.899E+02	9.953E+02	9.991E+02	1.002E+03	1.003E+03	1.004E+03	1.005E+03	1.005E+03	1.005E+03	1.005E+03	1.005E+03	.000E+00		
1.082E+03	1.088E+03	1.091E+03	1.094E+03	1.096E+03	1.097E+03	1.097E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	.000E+00		
1.171E+03	1.177E+03	1.181E+03	1.184E+03	1.185E+03	1.187E+03	1.187E+03	1.187E+03	1.188E+03	1.188E+03	1.188E+03	.000E+00		
1.388E+03	1.344E+03	1.349E+03	1.352E+03	1.353E+03	1.354E+03	1.355E+03	1.355E+03	1.356E+03	1.356E+03	1.356E+03	.000E+00		
1.588E+03	1.576E+03	1.580E+03	1.583E+03	1.585E+03	1.586E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	.000E+00		
1.777E+03	1.784E+03	1.789E+03	1.792E+03	1.794E+03	1.795E+03	1.796E+03	1.796E+03	1.797E+03	1.797E+03	1.797E+03	.000E+00		
2.341E+03	2.349E+03	2.355E+03	2.358E+03	2.360E+03	2.361E+03	2.362E+03	2.362E+03	2.363E+03	2.363E+03	2.363E+03	.000E+00		
2.763E+03	2.772E+03	2.778E+03	2.781E+03	2.784E+03	2.785E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	.000E+00		
3.479E+03	3.489E+03	3.495E+03	3.499E+03	3.501E+03	3.503E+03	3.503E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	.000E+00		
3.799E+03	3.809E+03	3.815E+03	3.819E+03	3.821E+03	3.823E+03	3.823E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	.000E+00		

TABLE A.3.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	9.090E+00	9.116E+00	9.129E+00	9.134E+00	9.136E+00	9.138E+00	9.138E+00	9.138E+00	9.138E+00	9.138E+00	9.138E+00
2012.	1.694E-01	1.697E+01	1.698E+01	1.699E+01	1.699E+01	1.699E+01	1.699E+01	1.699E+01	1.699E+01	1.699E+01	1.699E+01
2818.	2.400E-01	2.402E+01	2.404E+01	2.404E+01	2.405E+01	2.405E+01	2.405E+01	2.405E+01	2.405E+01	2.405E+01	2.405E+01
3621.	3.141E-01	3.144E+01	3.145E+01	3.145E+01	3.146E+01	3.146E+01	3.146E+01	3.146E+01	3.146E+01	3.146E+01	3.146E+01
4426.	3.871E-01	3.874E+01	3.876E+01	3.876E+01	3.878E+01	3.878E+01	3.878E+01	3.878E+01	3.878E+01	3.878E+01	3.878E+01
5230.	4.598E-01	4.601E+01	4.603E+01	4.603E+01	4.603E+01	4.603E+01	4.603E+01	4.603E+01	4.603E+01	4.603E+01	4.603E+01
6036.	5.319E-01	5.322E+01	5.324E+01	5.324E+01	5.325E+01	5.325E+01	5.325E+01	5.325E+01	5.325E+01	5.325E+01	5.325E+01
6840.	6.036E-01	6.039E+01	6.040E+01	6.040E+01	6.041E+01	6.041E+01	6.041E+01	6.041E+01	6.041E+01	6.041E+01	6.041E+01
7644.	6.745E-01	6.748E+01	6.749E+01	6.749E+01	6.750E+01	6.750E+01	6.750E+01	6.750E+01	6.750E+01	6.750E+01	6.750E+01
8851.	8.412E-01	8.415E+01	8.417E+01	8.417E+01	8.417E+01	8.417E+01	8.417E+01	8.417E+01	8.417E+01	8.417E+01	8.417E+01
10480.	1.005E-02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02
12470.	1.248E-02	1.248E+02	1.248E+02	1.248E+02	1.248E+02	1.248E+02	1.248E+02	1.248E+02	1.248E+02	1.248E+02	1.248E+02
14890.	1.487E-02	1.487E+02	1.487E+02	1.487E+02	1.487E+02	1.487E+02	1.487E+02	1.487E+02	1.487E+02	1.487E+02	1.487E+02
18110.	1.968E-02	1.968E+02	1.968E+02	1.968E+02	1.968E+02	1.968E+02	1.968E+02	1.968E+02	1.968E+02	1.968E+02	1.968E+02
22130.	2.432E-02	2.432E+02	2.432E+02	2.432E+02	2.432E+02	2.432E+02	2.432E+02	2.432E+02	2.432E+02	2.432E+02	2.432E+02
26150.	2.881E-02	2.882E+02	2.882E+02	2.882E+02	2.882E+02	2.882E+02	2.882E+02	2.882E+02	2.882E+02	2.882E+02	2.882E+02
30180.	3.321E-02	3.322E+02	3.322E+02	3.322E+02	3.322E+02	3.322E+02	3.322E+02	3.322E+02	3.322E+02	3.322E+02	3.322E+02
36210.	4.540E-02	4.540E+02	4.540E+02	4.540E+02	4.540E+02	4.540E+02	4.540E+02	4.540E+02	4.540E+02	4.540E+02	4.540E+02
44260.	5.707E-02	5.707E+02	5.707E+02	5.707E+02	5.707E+02	5.707E+02	5.707E+02	5.707E+02	5.707E+02	5.707E+02	5.707E+02
52300.	6.916E-02	6.916E+02	6.916E+02	6.916E+02	6.916E+02	6.916E+02	6.916E+02	6.916E+02	6.916E+02	6.916E+02	6.916E+02
60360.	8.084E-02	8.084E+02	8.084E+02	8.084E+02	8.084E+02	8.084E+02	8.084E+02	8.084E+02	8.084E+02	8.084E+02	8.084E+02
68400.	9.085E-02	9.086E+02	9.086E+02	9.086E+02	9.086E+02	9.086E+02	9.086E+02	9.086E+02	9.086E+02	9.086E+02	9.086E+02
76440.	1.008E-03	1.008E+03	1.008E+03	1.008E+03	1.008E+03	1.008E+03	1.008E+03	1.008E+03	1.008E+03	1.008E+03	1.008E+03
84490.	1.098E-03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03	1.098E+03
92540.	1.188E-03	1.188E+03	1.188E+03	1.188E+03	1.188E+03	1.188E+03	1.188E+03	1.188E+03	1.188E+03	1.188E+03	1.188E+03
104600.	1.358E-03	1.358E+03	1.358E+03	1.358E+03	1.358E+03	1.358E+03	1.358E+03	1.358E+03	1.358E+03	1.358E+03	1.358E+03
124700.	1.587E-03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03	1.587E+03
148900.	1.797E-03	1.797E+03	1.797E+03	1.797E+03	1.797E+03	1.797E+03	1.797E+03	1.797E+03	1.797E+03	1.797E+03	1.797E+03
201200.	2.363E-03	2.363E+03	2.363E+03	2.363E+03	2.363E+03	2.363E+03	2.363E+03	2.363E+03	2.363E+03	2.363E+03	2.363E+03
281600.	2.786E-03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03	2.786E+03
442600.	3.504E-03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03	3.504E+03
684000.	3.824E-03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03	3.824E+03

TABLE A.4.1. Early Dose for Pasquill B, 3.5 m/sec. Release Term is SST1:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.281E+04	1.282E+04	1.285E+04	1.289E+04	1.295E+04	1.300E+04	1.306E+04	1.310E+04	1.311E+04	1.309E+04	1.302E+04
1207.	3.900E+03	3.898E+03	3.884E+03	3.862E+03	3.829E+03	3.786E+03	3.726E+03	3.652E+03	3.560E+03	3.448E+03	3.316E+03
2012.	1.524E+03	1.520E+03	1.509E+03	1.491E+03	1.466E+03	1.433E+03	1.391E+03	1.341E+03	1.283E+03	1.217E+03	1.142E+03
2818.	8.043E+02	8.018E+02	7.936E+02	7.802E+02	7.615E+02	7.375E+02	7.085E+02	6.744E+02	6.358E+02	5.930E+02	5.465E+02
3621.	5.025E+02	5.005E+02	4.945E+02	4.846E+02	4.707E+02	4.522E+02	4.321E+02	4.079E+02	3.807E+02	3.511E+02	3.195E+02
4428.	3.638E+02	3.621E+02	3.570E+02	3.486E+02	3.371E+02	3.225E+02	3.052E+02	2.856E+02	2.639E+02	2.406E+02	2.162E+02
5230.	2.760E+02	2.746E+02	2.705E+02	2.638E+02	2.545E+02	2.429E+02	2.291E+02	2.135E+02	1.984E+02	1.781E+02	1.591E+02
6035.	2.169E+02	2.157E+02	2.124E+02	2.088E+02	1.992E+02	1.896E+02	1.784E+02	1.657E+02	1.517E+02	1.370E+02	1.217E+02
6840.	1.751E+02	1.741E+02	1.713E+02	1.668E+02	1.603E+02	1.523E+02	1.429E+02	1.323E+02	1.208E+02	1.086E+02	9.602E+01
7644.	1.546E+02	1.537E+02	1.509E+02	1.463E+02	1.401E+02	1.323E+02	1.233E+02	1.133E+02	1.025E+02	9.118E+01	7.973E+01
8651.	1.354E+02	1.345E+02	1.319E+02	1.278E+02	1.219E+02	1.148E+02	1.065E+02	9.732E+01	8.782E+01	7.736E+01	6.713E+01
10460.	1.161E+02	1.153E+02	1.130E+02	1.092E+02	1.041E+02	9.779E+01	9.048E+01	8.239E+01	7.377E+01	6.488E+01	5.597E+01
12470.	9.867E+01	9.798E+01	9.593E+01	9.268E+01	8.806E+01	8.249E+01	7.607E+01	6.899E+01	6.148E+01	5.378E+01	4.610E+01
14890.	8.362E+01	8.301E+01	8.120E+01	7.825E+01	7.426E+01	6.937E+01	6.375E+01	5.767E+01	5.105E+01	4.440E+01	3.781E+01
18110.	6.948E+01	6.898E+01	6.737E+01	6.482E+01	6.137E+01	5.715E+01	5.232E+01	4.704E+01	4.148E+01	3.585E+01	3.030E+01H
22130.	5.732E+01	5.686E+01	5.551E+01	5.331E+01	5.035E+01	4.674E+01	4.262E+01	3.813E+01	3.343E+01	2.870E+01H	2.408E+01G
26150.	4.872E+01	4.832E+01	4.712E+01	4.519E+01	4.258E+01	3.941E+01	3.581E+01	3.190E+01	2.783E+01H	2.375E+01	1.979E+01
30180.	4.231E+01	4.195E+01	4.087E+01	3.914E+01	3.681E+01	3.398E+01	3.077E+01	2.731E+01H	2.372E+01G	2.014E+01G	1.668E+01F
36210.	3.522E+01	3.491E+01	3.399E+01	3.249E+01	3.049E+01H	2.806E+01H	2.532E+01H	2.237E+01G	1.933E+01	1.631E+01F	1.341E+01
44260.	2.869E+01H	2.842E+01H	2.764E+01H	2.637E+01H	2.468E+01	2.264E+01G	2.034E+01G	1.788E+01F	1.535E+01F	1.286E+01	1.049E+01E
52300.	2.408E+01	2.385E+01	2.317E+01G	2.207E+01G	2.060E+01G	1.884E+01	1.688E+01F	1.475E+01	1.269E+01	1.048E+01E	8.485E+00
60350.	2.066E+01G	2.045E+01G	1.985E+01	1.888E+01	1.759E+01	1.604E+01F	1.430E+01	1.246E+01	1.069E+01E	8.760E+00	7.046E+00
68400.	1.801E+01	1.789E+01	1.729E+01	1.642E+01F	1.527E+01F	1.389E+01	1.235E+01	1.072E+01E	9.088E+00	7.465E+00	5.970E+00
76440.	1.591E+01F	1.574E+01F	1.525E+01F	1.447E+01	1.343E+01	1.219E+01	1.081E+01E	9.350E+00	7.880E+00	6.460E+00	5.139E+00
84490.	1.418E+01	1.403E+01	1.359E+01	1.288E+01	1.194E+01	1.081E+01E	9.584E+00	8.249E+00	6.929E+00	5.657E+00	4.480E+00
92540.	1.276E+01	1.262E+01	1.221E+01	1.168E+01E	1.070E+01E	9.676E+00	8.538E+00	7.343E+00	6.148E+00	5.001E+00	3.944E+00
104600.	1.101E+01E	1.089E+01E	1.053E+01E	9.957E+00	9.200E+00	8.299E+00	7.303E+00	6.261E+00	5.220E+00	4.226E+00	3.315E+00
124700.	8.843E+00	8.743E+00	8.448E+00	7.974E+00	7.350E+00	6.610E+00	5.793E+00	4.942E+00	4.097E+00	3.295E+00	2.584E+00C
148900.	7.028E+00	6.945E+00	6.702E+00	6.314E+00	5.803E+00	5.199E+00	4.538E+00	3.848E+00	3.189E+00C	2.529E+00C	1.951E+00
201200.	4.556E+00	4.500E+00	4.336E+00	4.074E+00	3.731E+00	3.326E+00C	2.883E+00C	2.427E+00C	1.980E+00	1.563E+00	1.190E+00
281600.	2.671E+00C	2.637E+00C	2.538E+00C	2.375E+00C	2.164E+00C	1.917E+00	1.649E+00	1.374E+00	1.108E+00	8.624E+01*	6.458E+01*
442600.	1.067E+00	1.053E+00	1.012E+00	9.452E+01*	8.584E+01*	7.568E+01*	6.468E+01*	5.346E+01*	4.265E+01	3.274E+01	2.410E+01
684000.	3.486E+01	3.439E+01	3.300E+01	3.078E+01	2.788E+01	2.448E+01	2.079E+01	1.705E+01	1.346E+01	1.019E+01	7.370E+02

TABLE A.4.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.289E-04	1.270E-04	1.242E-04	1.207E-04	1.163E-04	1.111E-04	1.051E-04	9.826E-05	9.078E-05	8.272E-05	7.429E-05
1207.	3.162E-03	2.987E-03	2.792E-03	2.579E-03	2.351E-03	2.111E-03	1.864E-03	1.617E-03	1.373E-03	1.140E-03	9.221E-04
2012.	1.060E-03	9.718E-04	8.782E-04	7.810E-04	6.835E-04	5.862E-04	4.919E-04	4.028E-04	3.209E-04	2.479E-04	1.849E-04
2816.	4.971E-02	4.457E-02	3.932E-02	3.408E-02	2.895E-02	2.405E-02	1.949E-02	1.538E-02	1.173E-02	8.645E-03	6.119E-03
3821.	2.868E-02	2.530E-02	2.194E-02	1.868E-02	1.553E-02	1.261E-02	9.988E-03	7.840E-03	5.659E-03	4.130E-03	2.936E-03
4426.	1.913E-02	1.663E-02	1.419E-02	1.185E-02	9.674E-03	7.693E-03	5.942E-03	4.510E-03	3.354E-03	2.388E-03	1.614E-03
5230.	1.397E-02	1.205E-02	1.019E-02	8.425E-03	6.798E-03	5.337E-03	4.120E-03	3.076E-03	2.204E-03	1.510E-03	9.825E-04
6035.	1.062E-02	9.101E-03	7.634E-03	6.268E-03	5.002E-03	3.933E-03	2.993E-03	2.198E-03	1.546E-03	1.037E-03	6.597E-04
6840.	8.339E-03	7.100E-03	5.918E-03	4.812E-03	3.852E-03	2.991E-03	2.247E-03	1.626E-03	1.126E-03	7.426E-04	4.705E-04
7644.	6.839E-03	5.747E-03	4.720E-03	3.831E-03	3.038E-03	2.336E-03	1.735E-03	1.239E-03	8.472E-04	5.581E-04	3.466E-04
8851.	5.710E-03	4.753E-03	3.864E-03	3.080E-03	2.355E-03	1.768E-03	1.282E-03	8.924E-04	5.933E-04	3.774E-04	2.301E-04
10460.	4.728E-03	3.905E-03	3.146E-03	2.467E-03	1.877E-03	1.390E-03	9.823E-04	6.702E-04	4.358E-04	2.863E-04	1.552E-04
12470.	3.867E-03	3.188E-03	2.529E-03	1.982E-03	1.476E-03	1.071E-03	7.493E-04	5.027E-04	3.208E-04	1.930E-04	1.087E-04
14890.	3.147E-03	2.588E-03	2.021E-03	1.561E-03	1.152E-03	8.250E-04	5.684E-04	3.748E-04	2.345E-04	1.381E-04	7.590E-05
18110.	2.502E-03	2.013E-03	1.574E-03	1.194E-03	8.743E-04	6.166E-04	4.165E-04	2.890E-04	1.647E-04	9.468E-05	5.062E-05
22130.	1.970E-03	1.569E-03	1.213E-03	9.079E-04	6.554E-04	4.544E-04	3.012E-04	1.904E-04	1.139E-04	6.381E-05	3.312E-05
26150.	1.807E-03	1.289E-03	9.714E-04	7.190E-04	5.127E-04	3.506E-04	2.300E-04	1.431E-04	8.383E-05	4.583E-05	2.315E-05
30180.	1.346E-03	1.054E-03	8.005E-04	5.871E-04	4.143E-04	2.813E-04	1.819E-04	1.113E-04	6.404E-05	3.432E-05	1.898E-05
36210.	1.073E-03	8.331E-04	6.259E-04	4.535E-04	3.157E-04	2.102E-04	1.333E-04	8.012E-05	4.516E-05	2.365E-05	1.138E-05
44260.	8.309E-04	6.381E-04	4.735E-04	3.383E-04	2.318E-04	1.516E-04	9.408E-05	5.821E-05	3.039E-05	1.548E-05	7.219E-06
52300.	6.667E-04	5.071E-04	3.722E-04	2.627E-04	1.776E-04	1.144E-04	7.014E-05	4.047E-05	2.177E-05	1.081E-05	4.898E-06
60350.	5.497E-04	4.147E-04	3.016E-04	2.108E-04	1.409E-04	8.998E-05	5.432E-05	3.078E-05	1.622E-05	7.878E-06	3.482E-06
68400.	4.626E-04	3.484E-04	2.498E-04	1.729E-04	1.148E-04	7.239E-05	4.311E-05	2.406E-05	1.248E-05	5.953E-06	2.586E-06
76440.	3.959E-04	2.945E-04	2.108E-04	1.451E-04	9.532E-05	5.943E-05	3.494E-05	1.923E-05	9.819E-06	4.620E-06	1.968E-06
84490.	3.433E-04	2.538E-04	1.807E-04	1.234E-04	8.038E-05	4.960E-05	2.883E-05	1.567E-05	7.915E-06	3.661E-06	1.530E-06
92540.	3.008E-04	2.213E-04	1.568E-04	1.063E-04	6.865E-05	4.197E-05	2.414E-05	1.301E-05	6.481E-06	2.952E-06	1.213E-06
104600.	2.512E-04	1.834E-04	1.288E-04	8.618E-05	5.514E-05	3.338E-05	1.898E-05	1.007E-05	4.933E-06	2.205E-06	8.860E-07
124700.	1.925E-04	1.391E-04	9.632E-05	6.366E-05	3.998E-05	2.368E-05	1.319E-05	6.851E-06	3.273E-06	1.422E-06	5.639E-07
148900.	1.450E-04	1.036E-04	7.079E-05	4.611E-05	2.847E-05	1.656E-05	9.040E-06	4.591E-06	2.138E-06	9.018E-07	3.396E-07
201200.	8.709E-05	6.110E-05	4.092E-05	2.603E-05	1.584E-05	8.816E-06	4.629E-06	2.244E-06	9.932E-07	3.968E-07	1.407E-07
281600.	4.638E-05	3.183E-05	2.077E-05	1.283E-05	7.447E-06	4.038E-06	2.027E-06	9.332E-07	3.894E-07	1.452E-07	4.764E-08
442600.	1.696E-05	1.135E-05	7.189E-06	4.266E-06	2.389E-06	1.235E-06	5.864E-07	2.532E-07	9.819E-08	3.367E-08	1.003E-08
684000.	5.073E-06	3.306E-06	2.029E-06	1.194E-06	6.203E-07	3.042E-07	1.359E-07	5.462E-08	1.949E-08	6.074E-09	1.620E-09

TABLE A.4.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)													
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0			
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	6.697E-03	5.697E-03	4.847E-03	4.034E-03	3.276E-03	2.588E-03	1.982E-03	1.466E-03	1.042E-03H	7.085E-02H	4.571E-02H	.000E+00	.000E+00	.000E+00
1207.	7.247E-02	5.513E-02	4.041E-02	2.841E-02	1.903E-02H	1.206E-02H	7.174E-03H	3.980E-03H	2.003E-03G	1.126E-01E	5.168E-00D	.000E+00	.000E+00	.000E+00
2012.	1.326E-02	9.081E-01	5.906E-01H	3.618E-01H	2.068E-01G	1.180E-01E	6.248E-00D	2.910E-00C	1.150E-00B	3.753E-01	9.730E-02	.000E+00	.000E+00	.000E+00
2816.	4.137E-01H	2.827E-01H	1.824E-01F	1.083E-01E	5.846E-00D	2.829E-00C	1.204E-00B	4.398E-01	1.338E-01	3.266E-02	6.017E-03	.000E+00	.000E+00	.000E+00
3621.	1.973E-01F	1.243E-01E	7.286E-00D	3.921E-00C	1.912E-00B	8.302E-01*	3.140E-01	1.096E-01	3.055E-02	6.419E-03	9.557E-04	.000E+00	.000E+00	.000E+00
4426.	1.031E-01E	6.161E-00D	3.412E-00C	1.729E-00B	8.253E-01*	3.484E-01	1.250E-01	3.696E-02	8.654E-03	1.521E-03	1.973E-04	.000E+00	.000E+00	.000E+00
5230.	6.023E-00D	3.448E-00	1.896E-00	9.462E-01	4.200E-01	1.824E-01	5.328E-02	1.482E-02	3.244E-03	5.181E-04	5.513E-05	.000E+00	.000E+00	.000E+00
6036.	3.991E-00	2.261E-00C	1.174E-00B	5.615E-01	2.300E-01	1.438E-01	5.053E-02	1.480E-02	3.477E-03	8.545E-05	7.148E-06	.000E+00	.000E+00	.000E+00
6840.	2.792E-00	1.535E-00	7.726E-01	3.516E-01	1.381E-01	5.03E-02	1.80E-02	8.921E-03	2.009E-03	4.029E-05	3.128E-06	.000E+00	.000E+00	.000E+00
7644.	2.012E-00C	1.080E-00B	5.348E-01*	2.391E-01	9.381E-02	3.152E-02	8.921E-03	2.009E-03	3.390E-04	1.916E-04	1.871E-05	.000E+00	.000E+00	.000E+00
8851.	1.306E-00B	6.831E-01*	3.275E-01	1.412E-01	5.314E-02	1.704E-02	4.559E-03	9.540E-04	1.478E-04	5.488E-06	3.117E-07	.000E+00	.000E+00	.000E+00
10460.	8.393E-01	4.192E-01	1.894E-01	7.722E-02	2.781E-02	8.429E-03	2.100E-03	4.071E-04	5.740E-05	1.774E-06	8.667E-08	.000E+00	.000E+00	.000E+00
12470.	5.679E-01*	2.724E-01	1.179E-01	4.514E-02	1.493E-02	4.173E-03	9.392E-04	1.658E-04	2.113E-05	5.761E-07	2.378E-08	.000E+00	.000E+00	.000E+00
14890.	3.853E-01	1.785E-01	7.430E-02	2.715E-02	8.497E-03	2.212E-03	4.599E-04	7.239E-05	2.975E-06	1.829E-07	.000E+00	.000E+00	.000E+00	.000E+00
18110.	2.490E-01	1.112E-01	4.437E-02	1.545E-02	4.574E-03	1.114E-03	2.133E-04	3.030E-05	2.975E-06	1.829E-07	.000E+00	.000E+00	.000E+00	.000E+00
22130.	1.575E-01	6.765E-02	2.581E-02	8.553E-03	2.368E-03	5.431E-04	9.621E-05	1.241E-05	1.084E-06	5.790E-08	.000E+00	.000E+00	.000E+00	.000E+00
26150.	1.067E-01	4.427E-02	1.629E-02	5.165E-03	1.371E-03	2.941E-04	4.863E-05	5.787E-06	4.597E-07	2.181E-08	.000E+00	.000E+00	.000E+00	.000E+00
30180.	7.648E-02	3.093E-02	1.098E-02	3.339E-03	8.459E-04	1.720E-04	2.668E-05	2.960E-06	2.168E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	4.970E-02	1.939E-02	6.602E-03	1.915E-03	4.590E-04	8.724E-05	1.248E-05	1.253E-06	8.150E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44280.	3.039E-02	1.136E-02	3.698E-03	1.019E-03	2.300E-04	4.083E-05	5.351E-06	4.854E-07	2.789E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	1.995E-02	7.192E-03	2.250E-03	5.913E-04	1.283E-04	2.105E-05	2.578E-06	2.166E-07	1.125E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60360.	1.384E-02	4.848E-03	1.459E-03	3.675E-04	7.482E-05	1.178E-05	1.348E-06	1.044E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	1.003E-02	3.411E-03	9.935E-04	2.413E-04	4.708E-05	7.032E-06	7.593E-07	5.508E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	7.472E-03	2.483E-03	7.051E-04	1.657E-04	3.108E-05	4.443E-06	4.548E-07	3.071E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	5.689E-03	1.850E-03	5.123E-04	1.172E-04	2.133E-05	2.925E-06	2.850E-07	1.826E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	4.438E-03	1.412E-03	3.811E-04	8.476E-05	1.493E-05	1.983E-06	1.865E-07	1.127E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	3.166E-03	9.758E-04	2.549E-04	5.455E-05	9.187E-06	1.159E-06	1.023E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	1.909E-03	5.681E-04	1.419E-04	2.870E-05	4.524E-06	5.283E-07	4.270E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	1.122E-03	3.185E-04	7.584E-05	1.449E-05	2.151E-06	2.345E-07	1.745E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	4.366E-04	1.149E-04	2.496E-05	4.317E-06	5.694E-07	5.376E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	1.348E-04	3.258E-05	6.412E-06	9.857E-07	1.130E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442800.	2.542E-05	5.340E-06	9.011E-07	1.175E-07	1.114E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	3.609E-06	6.529E-07	9.257E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.4.1. (Continued)

ANGLE FROM CENTER LINE (DEGREES)													
DIST (METERS)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	2.778E+02H	1.574E+02H	8.221E+01H	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.913E+00B	5.584E-01*	1.225E-01	1.890E-02	1.865E-03	1.030E-04	2.628E-06	2.331E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2012.	1.904E-02	2.822E-03	2.311E-04	1.142E-05	2.937E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2816.	8.808E-04	8.008E-05	3.748E-06	7.437E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.	9.245E-05	5.152E-06	1.396E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4428.	1.614E-05	8.812E-07	1.218E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	3.508E-06	1.184E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	1.034E-06	2.724E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	3.408E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7844.	1.310E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	3.668E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10480.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
78440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.4.2. Early Dose for Pasquill B, 3.5 m/sec, Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)											
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
11110	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	1207.	3.628E+03	1.087E+04	1.809E+04	2.527E+04	3.239E+04	3.942E+04	4.635E+04	5.314E+04	5.976E+04	6.617E+04	7.233E+04	7.846E+04
	2012.	6.880E+03	2.063E+04	3.431E+04	4.788E+04	6.127E+04	7.444E+04	8.732E+04	9.985E+04	1.120E+05	1.238E+05	1.348E+05	1.456E+05
	2816.	9.287E+03	2.782E+04	4.624E+04	6.446E+04	8.240E+04	9.997E+04	1.171E+05	1.338E+05	1.498E+05	1.647E+05	1.790E+05	1.925E+05
	3621.	1.135E+04	3.398E+04	5.845E+04	7.864E+04	1.004E+05	1.217E+05	1.424E+05	1.623E+05	1.813E+05	1.993E+05	2.163E+05	2.318E+05
	4426.	1.318E+04	3.940E+04	6.543E+04	9.109E+04	1.162E+05	1.407E+05	1.644E+05	1.872E+05	2.088E+05	2.293E+05	2.484E+05	2.659E+05
	5230.	1.479E+04	4.427E+04	7.349E+04	1.023E+05	1.304E+05	1.578E+05	1.842E+05	2.095E+05	2.334E+05	2.560E+05	2.769E+05	2.954E+05
	6035.	1.628E+04	4.869E+04	8.080E+04	1.124E+05	1.433E+05	1.732E+05	2.020E+05	2.298E+05	2.558E+05	2.800E+05	3.028E+05	3.236E+05
	6840.	1.782E+04	5.273E+04	8.748E+04	1.216E+05	1.550E+05	1.873E+05	2.183E+05	2.479E+05	2.758E+05	3.019E+05	3.260E+05	3.485E+05
	7644.	1.895E+04	5.670E+04	9.405E+04	1.307E+05	1.665E+05	2.011E+05	2.342E+05	2.657E+05	2.954E+05	3.230E+05	3.485E+05	3.721E+05
	8851.	2.215E+04	6.826E+04	1.098E+05	1.526E+05	1.941E+05	2.341E+05	2.723E+05	3.084E+05	3.422E+05	3.735E+05	4.021E+05	4.271E+05
	10460.	2.538E+04	7.592E+04	1.258E+05	1.746E+05	2.219E+05	2.674E+05	3.106E+05	3.513E+05	3.892E+05	4.241E+05	4.559E+05	4.846E+05
	12470.	3.030E+04	9.062E+04	1.501E+05	2.081E+05	2.642E+05	3.179E+05	3.687E+05	4.163E+05	4.604E+05	5.006E+05	5.370E+05	5.695E+05
	14890.	3.531E+04	1.056E+05	1.748E+05	2.422E+05	3.072E+05	3.692E+05	4.276E+05	4.821E+05	5.323E+05	5.779E+05	6.188E+05	6.555E+05
	18110.	4.572E+04	1.367E+05	2.280E+05	3.129E+05	3.963E+05	4.764E+05	5.495E+05	6.181E+05	6.807E+05	7.371E+05	7.870E+05	8.325E+05
	22130.	5.626E+04	1.681E+05	2.779E+05	3.843E+05	4.862E+05	5.825E+05	6.723E+05	7.549E+05	8.298E+05	8.987E+05	9.555E+05	1.000E+06
	26150.	6.880E+04	1.995E+05	3.297E+05	4.557E+05	5.780E+05	6.894E+05	7.947E+05	8.911E+05	9.780E+05	1.055E+06	1.123E+06	1.180E+06
	30180.	7.745E+04	2.313E+05	3.821E+05	5.278E+05	6.657E+05	7.971E+05	9.179E+05	1.028E+06	1.127E+06	1.214E+06	1.290E+06	1.355E+06
	36210.	1.082E+05	3.229E+05	5.330E+05	7.353E+05	9.274E+05	1.107E+06	1.272E+06	1.421E+06	1.554E+06	1.669E+06	1.768E+06	1.855E+06
44260.	1.390E+05	4.149E+05	6.844E+05	9.436E+05	1.189E+06	1.417E+06	1.628E+06	1.813E+06	1.979E+06	2.122E+06	2.244E+06	2.348E+06	
52300.	1.724E+05	5.144E+05	8.481E+05	1.188E+06	1.471E+06	1.751E+06	2.007E+06	2.235E+06	2.436E+06	2.608E+06	2.753E+06	2.880E+06	
60350.	2.059E+05	6.143E+05	1.012E+06	1.394E+06	1.753E+06	2.080E+06	2.382E+06	2.658E+06	2.891E+06	3.092E+06	3.260E+06	3.405E+06	
68400.	2.356E+05	7.029E+05	1.158E+06	1.584E+06	2.004E+06	2.392E+06	2.677E+06	2.939E+06	3.183E+06	3.393E+06	3.570E+06	3.721E+06	
76440.	2.653E+05	7.913E+05	1.303E+06	1.793E+06	2.253E+06	2.677E+06	3.060E+06	3.399E+06	3.693E+06	3.943E+06	4.150E+06	4.315E+06	
84490.	2.944E+05	8.780E+05	1.446E+06	1.989E+06	2.497E+06	2.986E+06	3.388E+06	3.761E+06	4.084E+06	4.356E+06	4.582E+06	4.767E+06	
92540.	3.234E+05	9.643E+05	1.588E+06	2.183E+06	2.740E+06	3.252E+06	3.713E+06	4.120E+06	4.470E+06	4.768E+06	5.009E+06	5.204E+06	
104600.	3.794E+05	1.131E+06	1.861E+06	2.558E+06	3.209E+06	3.805E+06	4.341E+06	4.811E+06	5.214E+06	5.553E+06	5.830E+06	6.061E+06	
124700.	4.602E+05	1.372E+06	2.256E+06	3.099E+06	3.884E+06	4.601E+06	5.242E+06	5.803E+06	6.281E+06	6.680E+06	7.004E+06	7.271E+06	
148900.	5.371E+05	1.600E+06	2.532E+06	3.612E+06	4.525E+06	5.356E+06	6.096E+06	6.741E+06	7.289E+06	7.743E+06	8.109E+06	8.395E+06	
201200.	7.605E+05	2.285E+06	3.722E+06	5.102E+06	6.380E+06	7.537E+06	8.581E+06	9.443E+06	1.019E+07	1.079E+07	1.128E+07	1.168E+07	
281600.	9.440E+05	2.811E+06	4.616E+06	6.322E+06	7.898E+06	9.318E+06	1.057E+07	1.164E+07	1.253E+07	1.326E+07	1.383E+07	1.430E+07	
442600.	1.290E+06	3.840E+06	6.301E+06	8.620E+06	1.075E+07	1.266E+07	1.433E+07	1.575E+07	1.692E+07	1.788E+07	1.859E+07	1.916E+07	
684000.	1.455E+06	4.359E+06	7.150E+06	9.777E+06	1.219E+07	1.434E+07	1.622E+07	1.781E+07	1.912E+07	2.016E+07	2.098E+07	2.165E+07	

TABLE A.4.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201. 604. 1207. 2012. 2818. 3621. 4426. 5230. 6035. 6840. 7644. 8861. 10460. 12470. 14890. 18110. 22130. 28160. 30180. 36210. 44260. 52300. 60350. 68400. 76440. 84490. 92540. 104600. 124700. 148900. 201200. 281600. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	7.821E-04	8.377E-04	8.898E-04	9.375E-04	9.812E-04	1.020E-03	1.055E-03	1.085E-03	1.111E-03	1.132E-03	1.149E-03	1.149E-03
	1.450E+05	1.548E+05	1.637E+05	1.718E+05	1.791E+05	1.856E+05	1.911E+05	1.959E+05	1.998E+05	2.030E+05	2.055E+05	2.055E+05
	1.924E+05	2.048E+05	2.161E+05	2.263E+05	2.353E+05	2.431E+05	2.499E+05	2.555E+05	2.602E+05	2.639E+05	2.667E+05	2.667E+05
	2.320E+05	2.464E+05	2.595E+05	2.712E+05	2.815E+05	2.904E+05	2.980E+05	3.043E+05	3.094E+05	3.134E+05H	3.165E+05H	3.165E+05H
	2.660E+05	2.821E+05	2.966E+05	3.095E+05	3.207E+05	3.304E+05	3.386E+05	3.453E+05	3.507E+05H	3.550E+05G	3.583E+05H	3.583E+05H
	2.982E+05	3.137E+05	3.295E+05	3.433E+05	3.554E+05	3.657E+05	3.743E+05	3.814E+05H	3.871E+05G	3.915E+05F	3.949E+05	3.949E+05
	3.233E+05	3.421E+05	3.589E+05	3.736E+05	3.863E+05	3.972E+05	4.062E+05H	4.138E+05G	4.195E+05F	4.241E+05E	4.276E+05D	4.276E+05D
	3.480E+05	3.679E+05	3.855E+05	4.010E+05	4.143E+05	4.258E+05H	4.350E+05G	4.428E+05F	4.487E+05E	4.534E+05	4.570E+05	4.570E+05
	4.280E+05	4.511E+05	4.714E+05	4.890E+05H	5.040E+05G	5.165E+05F	5.268E+05E	5.351E+05	5.410E+05D	5.466E+05	5.498E+05	5.498E+05
	4.844E+05	5.097E+05	5.318E+05	5.507E+05G	5.667E+05F	5.801E+05	5.909E+05	5.995E+05	6.063E+05	6.114E+05C	6.152E+05	6.152E+05
	5.694E+05	5.978E+05	6.224E+05H	6.433E+05	6.608E+05	6.752E+05E	6.868E+05	6.959E+05D	7.030E+05	7.083E+05	7.122E+05B	7.122E+05B
	6.549E+05	6.864E+05H	7.134E+05G	7.362E+05F	7.551E+05E	7.704E+05	7.827E+05D	7.923E+05	7.998E+05C	8.051E+05B	8.091E+05	8.091E+05
	8.307E+05H	8.682E+05G	9.000E+05F	9.263E+05E	9.478E+05	9.650E+05D	9.785E+05	9.889E+05C	9.967E+05	1.003E+06	1.007E+06*	1.007E+06*
	1.008E+06	1.050E+06F	1.086E+06E	1.110E+06	1.139E+06	1.158E+06	1.173E+06	1.184E+06	1.192E+06B	1.198E+06*	1.203E+06	1.203E+06
	1.180E+06F	1.229E+06	1.270E+06	1.302E+06	1.329E+06D	1.349E+06	1.365E+06C	1.378E+06	1.385E+06	1.391E+06	1.395E+06	1.395E+06
	1.355E+06	1.409E+06E	1.453E+06	1.489E+06D	1.517E+06	1.539E+06	1.558E+06	1.568E+06B	1.577E+06*	1.583E+06	1.588E+06	1.588E+06
	1.852E+06E	1.920E+06	1.976E+06D	2.019E+06	2.053E+06	2.079E+06C	2.097E+06B	2.111E+06	2.121E+06	2.128E+06	2.132E+06	2.132E+06
	2.345E+06	2.428E+06	2.493E+06	2.544E+06	2.583E+06C	2.611E+06	2.632E+06	2.647E+06*	2.658E+06	2.665E+06	2.669E+06	2.669E+06
2.873E+06	2.969E+06D	3.045E+06	3.103E+06	3.147E+06	3.179E+06B	3.202E+06	3.218E+06	3.229E+06	3.236E+06	3.241E+06	3.241E+06	
3.398E+06D	3.508E+06	3.593E+06	3.658E+06C	3.707E+06	3.741E+06	3.766E+06*	3.783E+06	3.794E+06	3.802E+06	3.807E+06	3.807E+06	
3.860E+06	3.981E+06	4.075E+06	4.146E+06	4.198E+06B	4.235E+06	4.261E+06	4.279E+06	4.290E+06	4.298E+06	4.304E+06	4.304E+06	
4.317E+06	4.450E+06	4.551E+06C	4.628E+06	4.683E+06	4.723E+06*	4.750E+06	4.768E+06	4.781E+06	4.789E+06	4.794E+06	4.794E+06	
4.764E+06	4.906E+06	5.015E+06	5.097E+06	5.155E+06	5.197E+06	5.225E+06	5.245E+06	5.257E+06	5.265E+06	5.271E+06	5.271E+06	
5.204E+06	5.357E+06C	5.473E+06	5.560E+06B	5.621E+06	5.665E+06	5.694E+06	5.714E+06	5.727E+06	5.735E+06	5.741E+06	5.741E+06	
6.051E+06C	6.222E+06	6.352E+06B	6.446E+06	6.514E+06*	6.561E+06	6.592E+06	6.613E+06	6.626E+06	6.635E+06	6.640E+06	6.640E+06	
7.260E+06	7.457E+06	7.604E+06	7.710E+06*	7.785E+06	7.836E+06	7.870E+06	7.892E+06	7.906E+06	7.915E+06	7.921E+06	7.921E+06	
8.397E+06B	8.617E+06B	8.779E+06*	8.896E+06	8.977E+06	9.032E+06	9.067E+06	9.090E+06	9.105E+06	9.114E+06	9.120E+06	9.120E+06	
1.165E+07*	1.193E+07*	1.213E+07	1.227E+07	1.237E+07	1.243E+07	1.247E+07	1.250E+07	1.251E+07	1.252E+07	1.253E+07	1.253E+07	
1.427E+07	1.459E+07	1.482E+07	1.498E+07	1.509E+07	1.518E+07	1.520E+07	1.523E+07	1.524E+07	1.525E+07	1.526E+07	1.526E+07	
1.913E+07	1.953E+07	1.981E+07	2.000E+07	2.012E+07	2.020E+07	2.024E+07	2.027E+07	2.029E+07	2.030E+07	2.030E+07	2.030E+07	
2.156E+07	2.199E+07	2.228E+07	2.248E+07	2.261E+07	2.269E+07	2.274E+07	2.277E+07	2.278E+07	2.279E+07	2.280E+07	2.280E+07	

TABLE A.4.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)												
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.163E-05	1.173E-05	1.180E-05	1.186E-05	1.189E-05H	1.190E-05G	1.191E-05H	1.193E-05H	1.193E-05H	1.194E-05G	1.194E-05E	1.194E-05D	1.194E-05D
2012.	2.074E-05	2.088E-05	2.098E-05H	2.105E-05H	2.109E-05G	2.112E-05E	2.112E-05E	2.114E-05D	2.115E-05C	2.115E-05B	2.115E-05	2.115E-05	2.115E-05
2816.	2.689E-05H	2.705E-05H	2.716E-05F	2.723E-05E	2.728E-05D	2.731E-05C	2.733E-05B	2.733E-05	2.733E-05	2.734E-05	2.734E-05	2.734E-05	2.734E-05
3621.	3.188E-05F	3.205E-05E	3.217E-05D	3.226E-05C	3.230E-05B	3.233E-05A	3.233E-05A	3.234E-05	3.235E-05	3.236E-05	3.236E-05	3.236E-05	3.236E-05
4426.	3.607E-05E	3.624E-05D	3.636E-05C	3.644E-05B	3.649E-05A	3.652E-05	3.652E-05	3.654E-05	3.655E-05	3.655E-05	3.656E-05	3.656E-05	3.656E-05
5230.	3.974E-05D	3.992E-05	4.004E-05	4.012E-05	4.018E-05	4.021E-05	4.021E-05	4.022E-05	4.023E-05	4.024E-05	4.024E-05	4.024E-05	4.024E-05
6035.	4.301E-05	4.319E-05C	4.332E-05B	4.340E-05A	4.345E-05	4.348E-05	4.348E-05	4.348E-05	4.348E-05	4.348E-05	4.348E-05	4.348E-05	4.348E-05
6840.	4.596E-05	4.614E-05	4.627E-05	4.636E-05	4.640E-05	4.643E-05	4.643E-05	4.643E-05	4.643E-05	4.643E-05	4.643E-05	4.643E-05	4.643E-05
7644.	4.875E-05C	4.894E-05B	4.906E-05A	4.915E-05	4.920E-05	4.923E-05	4.923E-05	4.925E-05	4.925E-05	4.925E-05	4.925E-05	4.925E-05	4.925E-05
8451.	5.130E-05B	5.149E-05A	5.161E-05	5.170E-05	5.175E-05	5.178E-05	5.178E-05	5.180E-05	5.181E-05	5.181E-05	5.181E-05	5.181E-05	5.181E-05
10460.	5.179E-05	5.198E-05	5.212E-05	5.220E-05	5.225E-05	5.228E-05	5.228E-05	5.230E-05	5.231E-05	5.231E-05	5.231E-05	5.231E-05	5.231E-05
12470.	7.150E-05A	7.169E-05	7.182E-05	7.191E-05	7.196E-05	7.199E-05	7.199E-05	7.201E-05	7.202E-05	7.202E-05	7.202E-05	7.202E-05	7.202E-05
14690.	8.120E-05	8.139E-05	8.152E-05	8.161E-05	8.166E-05	8.169E-05	8.169E-05	8.171E-05	8.172E-05	8.172E-05	8.172E-05	8.172E-05	8.172E-05
16110.	1.010E-06	1.012E-06	1.013E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.015E-06	1.015E-06	1.015E-06	1.015E-06	1.015E-06	1.015E-06
22130.	1.206E-06	1.208E-06	1.209E-06	1.210E-06	1.210E-06	1.210E-06	1.211E-06	1.211E-06	1.211E-06	1.211E-06	1.211E-06	1.211E-06	1.211E-06
26150.	1.398E-06	1.401E-06	1.402E-06	1.403E-06	1.403E-06	1.403E-06	1.404E-06	1.404E-06	1.404E-06	1.404E-06	1.404E-06	1.404E-06	1.404E-06
30180.	1.591E-06	1.593E-06	1.594E-06	1.595E-06	1.595E-06	1.595E-06	1.596E-06	1.596E-06	1.596E-06	1.596E-06	1.596E-06	1.596E-06	1.596E-06
36210.	2.135E-06	2.138E-06	2.139E-06	2.140E-06	2.140E-06	2.140E-06	2.141E-06	2.141E-06	2.141E-06	2.141E-06	2.141E-06	2.141E-06	2.141E-06
44280.	2.673E-06	2.675E-06	2.676E-06	2.677E-06	2.677E-06	2.678E-06	2.678E-06	2.678E-06	2.678E-06	2.678E-06	2.678E-06	2.678E-06	2.678E-06
52300.	3.244E-06	3.247E-06	3.248E-06	3.249E-06	3.249E-06	3.249E-06	3.250E-06	3.250E-06	3.250E-06	3.250E-06	3.250E-06	3.250E-06	3.250E-06
60350.	3.811E-06	3.813E-06	3.814E-06	3.815E-06	3.815E-06	3.815E-06	3.816E-06	3.816E-06	3.816E-06	3.816E-06	3.816E-06	3.816E-06	3.816E-06
68400.	4.307E-06	4.309E-06	4.310E-06	4.311E-06	4.311E-06	4.312E-06	4.312E-06	4.312E-06	4.312E-06	4.312E-06	4.312E-06	4.312E-06	4.312E-06
76440.	4.797E-06	4.799E-06	4.801E-06	4.802E-06	4.802E-06	4.803E-06	4.803E-06	4.803E-06	4.803E-06	4.803E-06	4.803E-06	4.803E-06	4.803E-06
84490.	5.274E-06	5.276E-06	5.278E-06	5.279E-06	5.279E-06	5.279E-06	5.279E-06	5.280E-06	5.280E-06	5.280E-06	5.280E-06	5.280E-06	5.280E-06
92540.	5.744E-06	5.746E-06	5.748E-06	5.749E-06	5.749E-06	5.749E-06	5.749E-06	5.750E-06	5.750E-06	5.750E-06	5.750E-06	5.750E-06	5.750E-06
104600.	6.244E-06	6.246E-06	6.248E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06	6.249E-06
124700.	7.724E-06	7.726E-06	7.728E-06	7.729E-06	7.729E-06	7.729E-06	7.729E-06	7.730E-06	7.730E-06	7.730E-06	7.730E-06	7.730E-06	7.730E-06
146900.	9.123E-06	9.125E-06	9.127E-06	9.128E-06	9.128E-06	9.128E-06	9.128E-06	9.129E-06	9.129E-06	9.129E-06	9.129E-06	9.129E-06	9.129E-06
201200.	1.253E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07	1.254E-07
261600.	1.526E-07	1.526E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07	1.527E-07
442600.	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07	2.031E-07
684000.	2.280E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07	2.281E-07

TABLE A.4.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.	1.194E+05B	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05	1.194E+05
2012.	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05	2.115E+05
2816.	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05	2.734E+05
3621.	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05	3.236E+05
4428.	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05	3.656E+05
5230.	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05	4.024E+05
6035.	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05	4.351E+05
6840.	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05	4.646E+05
7644.	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05	4.926E+05
8451.	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05	5.581E+05
10460.	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05	6.232E+05
12470.	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05	7.203E+05
14690.	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05	8.173E+05
16110.	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06	1.015E+06
22130.	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06	1.211E+06
26150.	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06	1.404E+06
30180.	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06	1.596E+06
36210.	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06	2.141E+06
44280.	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06	2.678E+06
52300.	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06	3.250E+06
60350.	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06	3.816E+06
68400.	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06	4.312E+06
76440.	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06	4.803E+06
84490.	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06	5.280E+06
92540.	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06	5.750E+06
104600.	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06	6.649E+06
124700.	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06	7.930E+06
146900.	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06	9.129E+06
201200.	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07	1.254E+07
281600.	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07	1.527E+07
442600.	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07	2.031E+07
684000.	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07	2.281E+07

TABLE A.5.1. Early Dose for Pasquill B, 3.5 m/sec, Release Term is SST2:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																		
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0								
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	3.316E+02	3.318E+02	3.324E+02	3.333E+02	3.343E+02	3.353E+02	3.361E+02	3.365E+02	3.362E+02	3.349E+02	3.324E+02	3.324E+02	3.324E+02	3.324E+02	3.324E+02	3.324E+02	3.324E+02	3.324E+02	3.324E+02
1207.	1.038E+02	1.037E+02	1.033E+02	1.027E+02	1.017E+02	1.005E+02	9.881E+01	9.673E+01	9.418E+01	9.111E+01	8.760E+01	8.418E+01	8.085E+01	7.764E+01	7.456E+01	7.162E+01	6.882E+01	6.616E+01	6.364E+01
2012.	4.104E+01H	4.094E+01H	4.065E+01H	4.016E+01H	3.946E+01H	3.855E+01H	3.742E+01H	3.606E+01H	3.447E+01H	3.266E+01H	3.064E+01H	2.841E+01H	2.600E+01H	2.344E+01H	2.076E+01H	1.800E+01H	1.516E+01H	1.226E+01H	9.320E+00
2816.	2.179E+01G	2.172E+01G	2.150E+01G	2.114E+01G	2.063E+01G	1.997E+01F	1.918E+01F	1.826E+01F	1.721E+01F	1.604E+01F	1.478E+01E	1.344E+01E	1.204E+01E	1.060E+01E	9.220E+00	7.880E+00	6.540E+00	5.200E+00	3.860E+00
3621.	1.363E+01E	1.358E+01E	1.341E+01E	1.314E+01E	1.277E+01E	1.229E+01E	1.172E+01E	1.108E+01E	1.032E+01E	9.520E+00	8.683E+00	7.846E+00	7.009E+00	6.172E+00	5.335E+00	4.498E+00	3.661E+00	2.824E+00	1.987E+00
4426.	9.868E+00	9.822E+00	9.738E+00	9.603E+00	9.422E+00	9.194E+00	8.919E+00	8.594E+00	8.219E+00	7.794E+00	7.319E+00	6.794E+00	6.219E+00	5.594E+00	4.919E+00	4.194E+00	3.419E+00	2.594E+00	1.769E+00
5230.	7.486E+00	7.449E+00	7.338E+00	7.155E+00	6.903E+00	6.587E+00	6.214E+00	5.791E+00	5.320E+00	4.830E+00	4.314E+00	3.750E+00	3.135E+00	2.469E+00	1.754E+00	1.039E+00	3.224E+00	2.509E+00	1.794E+00
6035.	5.880E+00	5.849E+00	5.758E+00	5.607E+00	5.400E+00	5.142E+00	4.837E+00	4.492E+00	4.115E+00	3.715E+00	3.300E+00	2.875E+00	2.440E+00	1.995E+00	1.540E+00	1.085E+00	6.295E+00	5.580E+00	4.865E+00
6840.	4.745E+00	4.720E+00	4.643E+00	4.516E+00	4.343E+00	4.127E+00	3.873E+00	3.586E+00	3.274E+00	2.944E+00	2.603E+00	2.252E+00	1.891E+00	1.520E+00	1.149E+00	7.780E+00	7.065E+00	6.350E+00	5.635E+00
7644.	4.189E+00	4.163E+00	4.088E+00	3.964E+00	3.795E+00	3.586E+00	3.341E+00	3.069E+00	2.778E+00	2.471E+00	2.150E+00	1.819E+00	1.478E+00	1.127E+00	7.666E+00	6.951E+00	6.236E+00	5.521E+00	4.806E+00
8448.	3.662E+00	3.639E+00	3.568E+00	3.454E+00	3.298E+00	3.105E+00	2.882E+00	2.634E+00	2.369E+00	2.094E+00	1.817E+00	1.530E+00	1.243E+00	9.560E+00	8.845E+00	8.130E+00	7.415E+00	6.700E+00	5.985E+00
9252.	3.137E+00	3.116E+00	3.053E+00	2.951E+00	2.813E+00	2.642E+00	2.445E+00	2.226E+00	1.994E+00	1.754E+00	1.514E+00	1.274E+00	1.034E+00	7.940E+00	7.225E+00	6.510E+00	5.795E+00	5.080E+00	4.365E+00
10056.	2.661E+00	2.642E+00	2.587E+00	2.497E+00	2.375E+00	2.225E+00	2.052E+00	1.861E+00	1.659E+00	1.451E+00	1.244E+00	1.037E+00	8.260E+00	7.545E+00	6.830E+00	6.115E+00	5.400E+00	4.685E+00	3.970E+00
10860.	2.251E+00	2.235E+00	2.186E+00	2.107E+00	1.999E+00	1.868E+00	1.717E+00	1.550E+00	1.375E+00	1.198E+00	1.019E+00	8.415E+00	7.700E+00	7.085E+00	6.470E+00	5.855E+00	5.240E+00	4.625E+00	4.010E+00
11664.	1.865E+00	1.850E+00	1.808E+00	1.740E+00	1.647E+00	1.534E+00	1.405E+00	1.263E+00	1.114E+00	9.630E+00	8.145E+00	6.660E+00	5.175E+00	3.690E+00	2.205E+00	7.100E+00	6.485E+00	5.870E+00	5.255E+00
12468.	1.533E+00	1.521E+00	1.485E+00	1.428E+00	1.347E+00	1.251E+00	1.140E+00	1.021E+00	8.951E+00	7.685E+00	6.420E+00	5.155E+00	3.890E+00	2.625E+00	1.360E+00	6.100E+00	5.485E+00	4.870E+00	4.255E+00
13272.	1.300E+00	1.289E+00	1.257E+00	1.208E+00	1.136E+00	1.052E+00	9.556E+00	8.514E+00	7.430E+00	6.341E+00	5.255E+00	4.170E+00	3.085E+00	2.000E+00	9.100E+00	8.485E+00	7.870E+00	7.255E+00	6.640E+00
14076.	1.125E+00	1.116E+00	1.087E+00	1.041E+00	9.793E+00	9.042E+00	8.190E+00	7.289E+00	6.315E+00	5.341E+00	4.367E+00	3.393E+00	2.419E+00	1.445E+00	5.100E+00	4.485E+00	3.870E+00	3.255E+00	2.640E+00
14880.	9.334E+01	9.261E+01	9.007E+01	8.611E+01	8.082E+01	7.440E+01	6.714E+01	5.938E+01	5.127E+01	4.327E+01	3.532E+01	2.737E+01	1.942E+01	1.147E+01	3.400E+00	2.785E+00	2.170E+00	1.555E+00	9.400E+00
15684.	7.565E+01	7.495E+01	7.289E+01	6.968E+01	6.511E+01	5.973E+01	5.367E+01	4.718E+01	4.063E+01	3.398E+01	2.733E+01	2.068E+01	1.403E+01	7.378E+00	6.763E+00	6.148E+00	5.533E+00	4.918E+00	4.303E+00
16488.	6.325E+01	6.265E+01	6.086E+01	5.798E+01	5.414E+01	4.951E+01	4.431E+01	3.877E+01	3.311E+01	2.757E+01	2.203E+01	1.649E+01	1.095E+01	5.400E+00	4.785E+00	4.170E+00	3.555E+00	2.940E+00	2.325E+00
17292.	5.408E+01	5.353E+01	5.195E+01	4.942E+01	4.604E+01	4.199E+01	3.745E+01	3.263E+01	2.773E+01	2.298E+01	1.847E+01	1.396E+01	9.450E+00	8.835E+00	8.220E+00	7.605E+00	6.990E+00	6.375E+00	5.760E+00
18096.	4.700E+01	4.652E+01	4.512E+01	4.286E+01	3.985E+01	3.628E+01	3.224E+01	2.798E+01	2.368E+01	1.950E+01	1.530E+01	1.110E+01	6.890E+00	6.275E+00	5.660E+00	5.045E+00	4.430E+00	3.815E+00	3.200E+00
18900.	.000E+00	3.471E+01	3.530E+01	3.346E+01	3.101E+01	2.810E+01	2.485E+01	2.144E+01	1.801E+01	1.471E+01	1.155E+01	8.390E+00	5.225E+00	4.610E+00	4.000E+00	3.385E+00	2.770E+00	2.155E+00	1.540E+00
19704.	.000E+00	3.271E+01	3.166E+01	2.998E+01	2.775E+01	2.509E+01	2.214E+01	1.905E+01	1.595E+01	1.298E+01	1.024E+01	7.170E+00	6.555E+00	5.940E+00	5.325E+00	4.710E+00	4.095E+00	3.480E+00	2.865E+00
20508.	.000E+00	2.816E+01	2.724E+01	2.578E+01	2.380E+01	2.147E+01	1.890E+01	1.620E+01	1.351E+01	1.094E+01	8.623E+00	7.008E+00	5.393E+00	3.778E+00	2.163E+00	5.508E+00	4.893E+00	4.278E+00	3.663E+00
21312.	.000E+00	2.266E+01	2.180E+01	2.058E+01	1.897E+01	1.706E+01	1.496E+01	1.276E+01	1.058E+01	8.510E+00	6.895E+00	5.280E+00	3.665E+00	2.050E+00	4.435E+00	3.820E+00	3.205E+00	2.590E+00	1.975E+00
22116.	.000E+00	1.790E+01	1.727E+01	1.627E+01	1.495E+01	1.340E+01	1.169E+01	9.919E+00	8.170E+00	6.520E+00	4.875E+00	3.260E+00	1.645E+00	3.030E+00	2.415E+00	1.800E+00	1.185E+00	5.240E+00	4.625E+00
22920.	.000E+00	1.180E+01	1.118E+01	1.051E+01	9.619E+00	8.575E+00	7.434E+00	6.258E+00	5.108E+00	4.029E+00	2.940E+00	1.855E+00	7.345E+00	6.730E+00	6.115E+00	5.500E+00	4.885E+00	4.270E+00	3.655E+00
23724.	.000E+00	6.824E+00	6.144E+00	5.599E+00	5.099E+00	4.599E+00	4.099E+00	3.599E+00	3.099E+00	2.599E+00	2.099E+00	1.599E+00	1.099E+00	5.999E+00	5.384E+00	4.769E+00	4.154E+00	3.539E+00	2.924E+00
24528.	.000E+00	2.769E+02	2.659E+02	2.484E+02	2.255E+02	1.987E+02	1.697E+02	1.402E+02	1.117E+02	8.589E+01	6.304E+01	4.280E+01	2.565E+01	1.250E+01	5.185E+00	2.870E+00	1.555E+00	8.235E+00	6.920E+00
25332.	.000E+00	9.313E+03	8.932E+03	8.325E+03	7.533E+03	6.608E+03	5.604E+03	4.589E+03	3.615E+03	2.733E+03	1.947E+03	1.161E+03	4.280E+02	2.565E+02	1.250E+02	5.185E+01	2.870E+01	1.555E+01	8.235E+00

TABLE A.5.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
201. 604. 1207. 2012. 2816. 3621. 4426. 5230. 6035. 6840. 7644. 8651. 10460. 12470. 14890. 18110. 22130. 30180. 36210. 44260. 52300. 60350. 68400. 76440. 84490. 92540. 104600. 124700. 148900. 201200. 281600. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.5.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.	1.842E+02H	1.424E+02H	1.210E+02H	1.006E+02H	8.160E+01H	6.441E+01H	4.930E+01H	3.644E+01H	.000E+00	2.589E+01H	1.768E+01F	1.134E+01E
604.	1.887E+01F	1.434E+01E	1.050E+01E	7.378E+00D	4.940E+00C	3.129E+00C	1.800E+00B	1.028E+00B	5.188E-01*	2.872E-01	1.305E-01	2.534E-03
2012.	3.533E+00C	2.420E+00C	1.578E+00B	9.833E-01*	5.504E-01*	3.078E-01	1.847E-01	7.640E-02	3.010E-02	9.795E-03	2.534E-03	1.601E-04
2816.	1.114E+00B	7.601E-01*	4.894E-01	2.901E-01	1.584E-01	7.557E-02	3.213E-02	1.173E-02	3.585E-03	8.671E-04	1.718E-04	2.551E-05
3621.	5.333E-01*	3.359E-01	1.988E-01	1.058E-01	5.156E-02	2.237E-02	8.458E-03	2.943E-03	9.973E-04	2.333E-04	4.097E-05	5.303E-06
4426.	2.794E-01	1.670E-01	9.248E-02	4.887E-02	2.234E-02	9.417E-03	3.375E-03	9.973E-04	2.333E-04	8.771E-05	1.399E-05	5.081E-07
5230.	1.834E-01	9.353E-02	5.141E-02	2.585E-02	1.139E-02	4.402E-03	1.444E-03	3.961E-04	1.880E-04	3.881E-05	5.192E-06	1.487E-06
6035.	1.082E-01	6.131E-02	3.185E-02	1.496E-02	6.239E-03	2.310E-03	7.355E-04	1.880E-04	3.961E-04	1.768E-05	2.316E-06	1.937E-07
6840.	7.574E-02	4.184E-02	2.095E-02	9.537E-03	3.902E-03	1.371E-03	4.014E-04	9.432E-05	5.449E-05	9.195E-06	1.093E-06	8.482E-08
7644.	5.456E-02	2.928E-02	1.451E-02	6.485E-03	2.544E-03	8.550E-04	2.420E-04	5.449E-05	2.588E-05	4.007E-06	4.316E-07	2.837E-08
8451.	3.642E-02	1.852E-02	8.79E-03	3.830E-03	1.441E-03	4.623E-04	1.237E-04	5.895E-05	1.104E-05	1.557E-06	1.489E-07	.000E+00
10460.	2.274E-02	1.136E-02	5.134E-03	2.093E-03	7.539E-04	2.286E-04	5.895E-05	1.104E-05	1.557E-06	1.557E-06	1.489E-07	.000E+00
12470.	1.598E-02	7.370E-03	3.192E-03	1.222E-03	4.045E-04	1.131E-04	2.545E-05	4.494E-06	5.728E-07	4.810E-08	.000E+00	.000E+00
14890.	1.041E-02	4.824E-03	2.008E-03	7.340E-04	2.298E-04	5.984E-05	1.245E-05	1.980E-06	2.185E-07	1.581E-08	.000E+00	.000E+00
18110.	6.711E-03	2.997E-03	1.197E-03	4.171E-04	1.235E-04	3.008E-05	5.784E-06	8.192E-07	8.048E-08	.000E+00	.000E+00	.000E+00
22130.	4.237E-03	1.821E-03	6.949E-04	2.304E-04	6.435E-05	1.464E-05	2.595E-06	3.349E-07	2.928E-08	.000E+00	.000E+00	.000E+00
26150.	2.863E-03	1.188E-03	4.375E-04	1.388E-04	3.687E-05	7.915E-06	1.309E-06	1.559E-07	1.239E-08	.000E+00	.000E+00	.000E+00
30180.	2.047E-03	8.282E-04	2.941E-04	8.954E-05	2.270E-05	4.620E-06	7.189E-07	7.960E-08	.000E+00	.000E+00	.000E+00	.000E+00
36210.	1.328E-03	5.176E-04	1.784E-04	5.119E-05	1.228E-05	2.335E-06	3.338E-07	3.359E-08	.000E+00	.000E+00	.000E+00	.000E+00
44260.	8.076E-04	3.021E-04	9.841E-05	2.714E-05	6.132E-06	1.089E-06	1.429E-07	1.297E-08	.000E+00	.000E+00	.000E+00	.000E+00
52300.	5.284E-04	1.906E-04	5.968E-05	1.570E-05	3.357E-06	5.597E-07	6.864E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	3.652E-04	1.281E-04	3.859E-05	9.725E-06	1.982E-06	3.124E-07	3.579E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	2.640E-04	8.981E-05	2.618E-05	6.384E-06	1.243E-06	1.860E-07	2.010E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	1.961E-04	6.520E-05	1.853E-05	4.361E-06	8.186E-07	1.171E-07	1.201E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	1.489E-04	4.846E-05	1.343E-05	3.075E-06	5.604E-07	7.695E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	1.159E-04	3.690E-05	9.987E-06	2.219E-06	3.914E-07	5.205E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104800.	8.216E-05	2.543E-05	6.847E-06	1.424E-06	2.401E-07	3.030E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	4.953E-05	1.475E-05	3.688E-06	7.463E-07	1.177E-07	1.378E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	2.900E-05	8.239E-06	1.958E-06	3.754E-07	5.576E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	1.125E-05	2.964E-06	6.437E-07	1.114E-07	1.470E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	3.475E-06	8.399E-07	1.853E-07	2.541E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442800.	6.590E-07	1.384E-07	2.333E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	9.511E-08	1.719E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.5.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		6.885E+00D	3.900E+00C	2.036E+00C	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		4.812E-02	1.399E-02	3.060E-03	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2012.		4.950E-04	6.807E-05	5.992E-06	4.708E-07	4.838E-05	2.558E-06	6.516E-08	.000E+00	.000E+00	.000E+00	.000E+00
2816.		2.327E-05	2.101E-06	9.789E-08	2.957E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.		2.485E-06	1.372E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4426.		4.322E-07	1.820E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.		9.455E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6036.		2.791E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8651.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.5.2. Early Dose for Pasquill B, 3.5 m/sec, Release Term is SST2:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	9.647E-01	2.692E-02	4.812E-02	6.721E-02	8.612E-02	1.048E-03	1.232E-03	1.412E-03	1.587E-03	1.768E-03	1.919E-03	2.091E-03H	2.269E-03H	2.444E-03F	2.617E-03F	2.786E-03F	2.951E-03H	3.114E-03H
2012.	1.843E-02H	5.522E-02H	9.182E-02H	1.281E-03H	1.639E-03H	1.991E-03H	2.344E-03H	2.699E-03H	3.054E-03H	3.409E-03H	3.764E-03H	4.119E-03H	4.474E-03H	4.829E-03H	5.184E-03H	5.539E-03H	5.894E-03H	6.249E-03H
2816.	2.494E-02G	7.470E-02G	1.241E-03G	1.730E-03G	2.212E-03G	2.693E-03F	3.174E-03F	3.655E-03F	4.136E-03F	4.617E-03F	5.098E-03F	5.579E-03F	6.060E-03F	6.541E-03F	7.022E-03F	7.503E-03F	7.984E-03F	8.465E-03F
3621.	3.052E-02E	9.141E-02E	1.518E-03E	2.115E-03E	2.701E-03E	3.273E-03E	3.845E-03E	4.417E-03E	4.989E-03E	5.561E-03E	6.133E-03E	6.705E-03E	7.277E-03E	7.849E-03E	8.421E-03E	8.993E-03E	9.565E-03E	1.0137E-03E
4426.	3.644E-02	1.061E-03	1.762E-03	2.453E-03	3.130E-03	3.788E-03	4.425E-03	5.062E-03	5.699E-03	6.336E-03	6.973E-03	7.610E-03	8.247E-03	8.884E-03	9.521E-03	1.0158E-03	1.0795E-03	1.1432E-03
5230.	3.965E-02	1.193E-03	1.981E-03	2.768E-03	3.514E-03	4.251E-03	4.988E-03	5.725E-03	6.462E-03	7.199E-03	7.936E-03	8.673E-03	9.410E-03	1.0147E-03	1.0884E-03	1.1621E-03	1.2358E-03	1.3095E-03
6035.	4.386E-02D	1.313E-03D	2.179E-03D	3.030E-03D	3.862E-03D	4.694E-03D	5.526E-03D	6.358E-03D	7.190E-03D	8.022E-03D	8.854E-03D	9.686E-03D	1.0518E-03	1.1370E-03	1.2222E-03	1.3074E-03	1.3926E-03	1.4778E-03
6840.	4.752E-02	1.422E-03	2.360E-03	3.281E-03	4.180E-03	5.050E-03	5.900E-03	6.740E-03	7.580E-03	8.420E-03	9.260E-03	1.0100E-03	1.0940E-03	1.1780E-03	1.2620E-03	1.3460E-03	1.4300E-03	1.5140E-03
7644.	5.112E-02	1.530E-03	2.538E-03	3.527E-03	4.492E-03	5.424E-03	6.317E-03	7.166E-03	8.060E-03	8.954E-03	9.848E-03	1.0742E-03	1.1636E-03	1.2530E-03	1.3424E-03	1.4318E-03	1.5212E-03	1.6106E-03
8651.	5.978E-02	1.789E-03	2.965E-03	4.118E-03	5.238E-03	6.317E-03	7.347E-03	8.382E-03	9.412E-03	1.0442E-03	1.1472E-03	1.2502E-03	1.3532E-03	1.4562E-03	1.5592E-03	1.6622E-03	1.7652E-03	1.8682E-03
10460.	6.852E-02	2.050E-03	3.396E-03	4.714E-03	6.090E-03	7.412E-03	8.682E-03	9.954E-03	1.1226E-03	1.2502E-03	1.3778E-03	1.5054E-03	1.6330E-03	1.7606E-03	1.8882E-03	2.0158E-03	2.1434E-03	2.2710E-03
12470.	8.179E-02	2.448E-03	4.051E-03	5.617E-03	7.131E-03C	8.579E-03C	9.950E-03C	1.1236E-04	1.2422E-04	1.3508E-04	1.4594E-04	1.5680E-04	1.6766E-04	1.7852E-04	1.8938E-04	1.9924E-04	2.0910E-04	2.1896E-04
14890.	9.528E-02C	2.849E-03C	4.715E-03C	6.534E-03C	8.287E-03	9.959E-03	1.154E-04	1.300E-04	1.438E-04	1.568E-04	1.688E-04	1.808E-04	1.928E-04	2.048E-04	2.168E-04	2.288E-04	2.408E-04	2.528E-04
18110.	1.232E-03	3.683E-03	6.091E-03	8.432E-03	1.068E-04	1.281E-04	1.481E-04	1.668E-04	1.834E-04	1.988E-04	2.132E-04	2.266E-04	2.390E-04	2.514E-04	2.638E-04	2.762E-04	2.886E-04	3.010E-04
22130.	1.514E-03	4.523E-03	7.478E-03	1.034E-04	1.308E-04	1.568E-04	1.809E-04	2.031E-04	2.233E-04	2.413E-04	2.571E-04	2.719E-04	2.857E-04	2.985E-04	3.113E-04	3.241E-04	3.369E-04	3.497E-04
26150.	1.795E-03	5.363E-03	8.861E-03	1.225E-04	1.548E-04	1.853E-04	2.136E-04	2.395E-04	2.628E-04	2.836E-04	3.024E-04	3.192E-04	3.350E-04	3.498E-04	3.636E-04	3.764E-04	3.892E-04	4.020E-04
30180.	2.079E-03B	6.208E-03B	1.025E-04B	1.416E-04B	1.789E-04	2.139E-04	2.464E-04	2.759E-04	3.025E-04	3.269E-04	3.493E-04	3.707E-04	3.911E-04	4.105E-04	4.289E-04	4.463E-04	4.627E-04	4.781E-04
36210.	2.893E-03	8.636E-03	1.425E-04	1.925E-04	2.480E-04	2.960E-04	3.402E-04	3.801E-04	4.156E-04	4.465E-04	4.739E-04	5.000E-04	5.248E-04	5.484E-04	5.708E-04	5.920E-04	6.132E-04	6.344E-04
44280.	3.706E-03	1.106E-04	1.825E-04	2.516E-04	3.169E-04	3.778E-04	4.335E-04	4.835E-04	5.277E-04	5.660E-04	6.000E-04	6.288E-04	6.532E-04	6.744E-04	6.924E-04	7.084E-04	7.234E-04	7.374E-04
52300.	4.583E-03	1.368E-04	2.255E-04	3.106E-04	3.910E-04	4.568E-04	5.084E-04	5.544E-04	5.944E-04	6.278E-04	6.538E-04	6.724E-04	6.848E-04	6.912E-04	6.948E-04	6.964E-04	6.970E-04	6.976E-04
60350.	5.480E-03*	1.629E-04*	2.685E-04*	3.697E-04	4.650E-04	5.532E-04	6.339E-04	7.047E-04	7.611E-04	8.034E-04	8.326E-04	8.500E-04	8.574E-04	8.598E-04	8.598E-04	8.598E-04	8.598E-04	8.598E-04
68400.	6.236E-03	1.860E-04	3.065E-04	4.218E-04	5.303E-04	6.305E-04	7.212E-04	8.019E-04	8.721E-04	9.319E-04	9.817E-04	1.020E-04	1.044E-04	1.056E-04	1.056E-04	1.056E-04	1.056E-04	1.056E-04
76440.	6.236E-03	2.013E-04	3.366E-04	4.660E-04	5.875E-04	6.995E-04	8.008E-04	8.905E-04	9.684E-04	1.034E-05	1.089E-05	1.134E-05	1.166E-05	1.188E-05	1.200E-05	1.200E-05	1.200E-05	1.200E-05
84490.	6.236E-03	2.163E-04	3.660E-04	5.092E-04	6.434E-04	7.670E-04	8.784E-04	9.770E-04	1.062E-05	1.155E-05	1.233E-05	1.297E-05	1.348E-05	1.386E-05	1.412E-05	1.428E-05	1.436E-05	1.436E-05
92540.	6.236E-03	2.311E-04	3.953E-04	5.520E-04	6.988E-04	8.338E-04	9.563E-04	1.062E-05	1.155E-05	1.233E-05	1.297E-05	1.348E-05	1.386E-05	1.412E-05	1.428E-05	1.436E-05	1.436E-05	1.436E-05
104600.	6.236E-03	2.597E-04	4.518E-04	6.345E-04	8.068E-04	9.624E-04	1.103E-05	1.227E-05	1.333E-05	1.422E-05	1.495E-05	1.556E-05	1.606E-05	1.646E-05	1.676E-05	1.696E-05	1.708E-05	1.712E-05
124700.	6.236E-03	3.010E-04	5.327E-04	7.532E-04	9.590E-04	1.147E-05	1.315E-05	1.462E-05	1.588E-05	1.692E-05	1.777E-05	1.840E-05	1.888E-05	1.924E-05	1.948E-05	1.968E-05	1.976E-05	1.976E-05
148900.	6.236E-03	3.401E-04	6.098E-04	8.658E-04	1.104E-05	1.322E-05	1.515E-05	1.684E-05	1.827E-05	1.948E-05	2.042E-05	2.112E-05	2.160E-05	2.196E-05	2.220E-05	2.236E-05	2.244E-05	2.244E-05
201200.	6.236E-03	4.539E-04	8.331E-04	1.192E-05	1.525E-05	1.826E-05	2.093E-05	2.323E-05	2.517E-05	2.675E-05	2.801E-05	2.896E-05	2.960E-05	2.996E-05	3.016E-05	3.028E-05	3.032E-05	3.032E-05
281600.	6.236E-03	5.477E-04	1.017E-05	1.461E-05	1.870E-05	2.240E-05	2.565E-05	2.844E-05	3.077E-05	3.268E-05	3.415E-05	3.520E-05	3.596E-05	3.644E-05	3.676E-05	3.696E-05	3.704E-05	3.704E-05
442600.	6.236E-03	7.272E-04	1.369E-05	1.974E-05	2.529E-05	3.028E-05	3.483E-05	3.833E-05	4.083E-05	4.284E-05	4.438E-05	4.556E-05	4.640E-05	4.696E-05	4.732E-05	4.752E-05	4.760E-05	4.760E-05
684000.	6.236E-03	8.204E-04	1.552E-05	2.239E-05	2.871E-05	3.435E-05	3.926E-05	4.342E-05	4.684E-05	4.958E-05	5.165E-05	5.308E-05	5.400E-05	5.456E-05	5.488E-05	5.500E-05	5.500E-05	5.500E-05

TABLE A.5.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	2.074E-03	2.220E-03	2.368E-03	2.482E-03	2.597E-03	2.699E-03	2.790E-03	2.869E-03	2.935E-03	2.991E-03	3.035E-03
2012.	3.871E-03	4.128E-03	4.365E-03	4.581E-03	4.774E-03	4.944E-03	5.091E-03	5.215E-03	5.318E-03	5.402E-03	5.488E-03
2818.	5.153E-03	5.483E-03	5.783E-03	6.054E-03	6.293E-03	6.502E-03	6.680E-03	6.830E-03	6.952E-03	7.049E-03	7.125E-03
3621.	6.227E-03	6.613E-03	6.962E-03	7.274E-03	7.548E-03	7.785E-03	7.985E-03	8.151E-03	8.286E-03	8.393E-03	8.475E-03
4426.	7.149E-03	7.580E-03	7.967E-03	8.311E-03	8.611E-03	8.869E-03	9.085E-03	9.264E-03	9.408E-03	9.521E-03	9.607E-03
5230.	7.969E-03	8.438E-03	8.858E-03	9.229E-03	9.551E-03	9.826E-03	1.008E-02	1.024E-02	1.039E-02	1.051E-02	1.060E-02
6035.	8.705E-03	9.207E-03	9.658E-03	1.005E-02	1.039E-02	1.068E-02	1.092E-02	1.112E-02	1.127E-02	1.139E-02	1.149E-02
6840.	9.373E-03	9.905E-03	1.038E-02	1.079E-02	1.115E-02	1.145E-02	1.170E-02	1.190E-02	1.207E-02	1.219E-02	1.228E-02
7644.	1.002E-02	1.057E-02	1.107E-02	1.150E-02	1.187E-02	1.218E-02	1.244E-02	1.265E-02	1.282E-02	1.294E-02	1.304E-02
8451.	1.154E-02	1.216E-02	1.270E-02	1.318E-02	1.358E-02	1.391E-02	1.419E-02	1.441E-02	1.458E-02	1.471E-02	1.481E-02
10460.	1.306E-02	1.374E-02	1.433E-02	1.484E-02	1.527E-02	1.563E-02	1.592E-02	1.615E-02	1.633E-02	1.646E-02	1.656E-02
12470.	1.436E-02	1.512E-02	1.578E-02	1.634E-02	1.681E-02	1.719E-02	1.750E-02	1.775E-02	1.794E-02	1.808E-02	1.818E-02
14890.	1.566E-02	1.651E-02	1.723E-02	1.784E-02	1.836E-02	1.878E-02	1.913E-02	1.940E-02	1.959E-02	1.972E-02	1.979E-02
16110.	1.688E-02	1.781E-02	1.851E-02	1.904E-02	1.948E-02	1.984E-02	2.013E-02	2.034E-02	2.048E-02	2.057E-02	2.062E-02
18110.	1.798E-02	1.900E-02	1.978E-02	2.034E-02	2.078E-02	2.109E-02	2.134E-02	2.154E-02	2.169E-02	2.179E-02	2.184E-02
20130.	1.898E-02	2.008E-02	2.094E-02	2.158E-02	2.200E-02	2.228E-02	2.252E-02	2.270E-02	2.283E-02	2.292E-02	2.297E-02
22130.	1.988E-02	2.105E-02	2.189E-02	2.259E-02	2.299E-02	2.324E-02	2.344E-02	2.359E-02	2.369E-02	2.374E-02	2.377E-02
24160.	2.068E-02	2.192E-02	2.274E-02	2.339E-02	2.378E-02	2.399E-02	2.413E-02	2.422E-02	2.427E-02	2.429E-02	2.430E-02
26160.	2.138E-02	2.268E-02	2.348E-02	2.411E-02	2.448E-02	2.468E-02	2.481E-02	2.489E-02	2.493E-02	2.494E-02	2.495E-02
30180.	2.298E-02	2.435E-02	2.514E-02	2.568E-02	2.598E-02	2.614E-02	2.626E-02	2.634E-02	2.639E-02	2.641E-02	2.642E-02
36210.	2.454E-02	2.600E-02	2.678E-02	2.730E-02	2.758E-02	2.774E-02	2.787E-02	2.796E-02	2.801E-02	2.803E-02	2.804E-02
42260.	2.598E-02	2.752E-02	2.829E-02	2.881E-02	2.908E-02	2.924E-02	2.938E-02	2.949E-02	2.957E-02	2.962E-02	2.964E-02
48260.	2.730E-02	2.892E-02	2.968E-02	3.019E-02	3.046E-02	3.061E-02	3.074E-02	3.084E-02	3.091E-02	3.095E-02	3.097E-02
52300.	2.850E-02	3.020E-02	3.095E-02	3.146E-02	3.172E-02	3.188E-02	3.196E-02	3.201E-02	3.204E-02	3.206E-02	3.207E-02
58400.	2.958E-02	3.136E-02	3.210E-02	3.251E-02	3.268E-02	3.276E-02	3.281E-02	3.284E-02	3.286E-02	3.287E-02	3.288E-02
64490.	3.054E-02	3.240E-02	3.312E-02	3.343E-02	3.359E-02	3.368E-02	3.373E-02	3.376E-02	3.378E-02	3.379E-02	3.380E-02
70440.	3.138E-02	3.332E-02	3.403E-02	3.424E-02	3.438E-02	3.446E-02	3.450E-02	3.452E-02	3.453E-02	3.454E-02	3.455E-02
76440.	3.210E-02	3.412E-02	3.482E-02	3.503E-02	3.517E-02	3.525E-02	3.529E-02	3.532E-02	3.534E-02	3.535E-02	3.536E-02
82440.	3.270E-02	3.480E-02	3.549E-02	3.570E-02	3.584E-02	3.592E-02	3.596E-02	3.598E-02	3.599E-02	3.600E-02	3.601E-02
88440.	3.320E-02	3.538E-02	3.606E-02	3.627E-02	3.641E-02	3.649E-02	3.653E-02	3.655E-02	3.656E-02	3.657E-02	3.658E-02
94490.	3.360E-02	3.586E-02	3.653E-02	3.674E-02	3.688E-02	3.696E-02	3.699E-02	3.701E-02	3.702E-02	3.703E-02	3.704E-02
100490.	3.390E-02	3.624E-02	3.690E-02	3.711E-02	3.725E-02	3.733E-02	3.736E-02	3.738E-02	3.739E-02	3.740E-02	3.741E-02
106490.	3.410E-02	3.652E-02	3.717E-02	3.738E-02	3.752E-02	3.760E-02	3.763E-02	3.765E-02	3.766E-02	3.767E-02	3.768E-02
112490.	3.420E-02	3.670E-02	3.734E-02	3.755E-02	3.769E-02	3.777E-02	3.780E-02	3.782E-02	3.783E-02	3.784E-02	3.785E-02
118490.	3.430E-02	3.688E-02	3.751E-02	3.772E-02	3.786E-02	3.794E-02	3.797E-02	3.799E-02	3.800E-02	3.801E-02	3.802E-02
124490.	3.440E-02	3.706E-02	3.768E-02	3.789E-02	3.803E-02	3.811E-02	3.814E-02	3.816E-02	3.817E-02	3.818E-02	3.819E-02
130490.	3.450E-02	3.724E-02	3.785E-02	3.806E-02	3.820E-02	3.828E-02	3.831E-02	3.833E-02	3.834E-02	3.835E-02	3.836E-02
136490.	3.460E-02	3.746E-02	3.806E-02	3.827E-02	3.841E-02	3.849E-02	3.852E-02	3.854E-02	3.855E-02	3.856E-02	3.857E-02
142490.	3.470E-02	3.770E-02	3.829E-02	3.850E-02	3.864E-02	3.872E-02	3.875E-02	3.877E-02	3.878E-02	3.879E-02	3.880E-02
148490.	3.480E-02	3.790E-02	3.848E-02	3.869E-02	3.883E-02	3.891E-02	3.894E-02	3.896E-02	3.897E-02	3.898E-02	3.899E-02
154490.	3.490E-02	3.810E-02	3.867E-02	3.888E-02	3.902E-02	3.910E-02	3.913E-02	3.915E-02	3.916E-02	3.917E-02	3.918E-02
160490.	3.500E-02	3.830E-02	3.886E-02	3.907E-02	3.921E-02	3.929E-02	3.932E-02	3.934E-02	3.935E-02	3.936E-02	3.937E-02
166490.	3.510E-02	3.850E-02	3.905E-02	3.926E-02	3.940E-02	3.948E-02	3.951E-02	3.953E-02	3.954E-02	3.955E-02	3.956E-02
172490.	3.520E-02	3.870E-02	3.924E-02	3.945E-02	3.959E-02	3.967E-02	3.970E-02	3.972E-02	3.973E-02	3.974E-02	3.975E-02
178490.	3.530E-02	3.890E-02	3.943E-02	3.964E-02	3.978E-02	3.986E-02	3.989E-02	3.991E-02	3.992E-02	3.993E-02	3.994E-02
184490.	3.540E-02	3.910E-02	3.962E-02	3.983E-02	3.997E-02	4.005E-02	4.008E-02	4.010E-02	4.011E-02	4.012E-02	4.013E-02
190490.	3.550E-02	3.930E-02	3.981E-02	4.002E-02	4.016E-02	4.024E-02	4.027E-02	4.029E-02	4.030E-02	4.031E-02	4.032E-02
196490.	3.560E-02	3.950E-02	4.000E-02	4.021E-02	4.035E-02	4.043E-02	4.046E-02	4.048E-02	4.049E-02	4.050E-02	4.051E-02
202490.	3.570E-02	3.970E-02	4.019E-02	4.040E-02	4.054E-02	4.062E-02	4.065E-02	4.067E-02	4.068E-02	4.069E-02	4.070E-02
208490.	3.580E-02	3.990E-02	4.038E-02	4.059E-02	4.073E-02	4.081E-02	4.084E-02	4.086E-02	4.087E-02	4.088E-02	4.089E-02
214490.	3.590E-02	4.010E-02	4.057E-02	4.078E-02	4.092E-02	4.100E-02	4.103E-02	4.105E-02	4.106E-02	4.107E-02	4.108E-02
220490.	3.600E-02	4.030E-02	4.076E-02	4.097E-02	4.111E-02	4.119E-02	4.122E-02	4.124E-02	4.125E-02	4.126E-02	4.127E-02
226490.	3.610E-02	4.050E-02	4.095E-02	4.116E-02	4.130E-02	4.138E-02	4.141E-02	4.143E-02	4.144E-02	4.145E-02	4.146E-02
232490.	3.620E-02	4.070E-02	4.114E-02	4.135E-02	4.149E-02	4.157E-02	4.160E-02	4.162E-02	4.163E-02	4.164E-02	4.165E-02
238490.	3.630E-02	4.090E-02	4.132E-02	4.153E-02	4.167E-02	4.175E-02	4.178E-02	4.180E-02	4.181E-02	4.182E-02	4.183E-02
244490.	3.640E-02	4.110E-02	4.150E-02	4.171E-02	4.185E-02	4.193E-02	4.196E-02	4.198E-02	4.199E-02	4.200E-02	4.201E-02
250490.	3.650E-02	4.130E-02	4.168E-02	4.189E-02	4.203E-02	4.211E-02	4.214E-02	4.216E-02	4.217E-02	4.218E-02	4.219E-02
256490.	3.660E-02	4.150E-02	4.188E-02	4.209E-02	4.223E-02	4.231E-02	4.234E-02	4.236E-02	4.237E-02	4.238E-02	4.239E-02
262490.	3.670E-02	4.170E-02	4.206E-02	4.227E-02	4.241E-02	4.249E-02	4.252E-02	4.254E-02	4.255E-02	4.256E-02	4.257E-02
268490.	3.680E-02	4.190E-02	4.224E-02	4.245E-02	4.259E-02	4.267E-02	4.270E-02	4.272E-02	4.273E-02	4.274E-02	4.275E-02
274490.	3.690E-02	4.210E-02	4.242E-02	4.263E-02	4.277E-02	4.285E-02	4.288E-02	4.290E-02	4.291E-02	4.292E-02	4.293E-02
280490.	3.700E-02	4.230E-02	4.264E-02	4.285E-02	4.299E-02	4.307E-02	4.310E-02	4.312E-02	4.313E-02	4.314E-02	4.315E-02
286490.	3.710E-02	4.250E-02	4.286E-02	4.307E-02	4.321E-02	4.329E-02	4.332E-02	4.334E-02	4.335E-02	4.336E-02	4.337E-02
292490.	3.720E-02	4.270E-02	4.306E-02	4.327E-02	4.341E-02	4.349E-02	4.352E-02	4.354E-02	4.355E-02	4.356E-02	4.357E-02
298490.	3.730E-02	4.290E-02	4.326E-02	4.347E-02	4.361E-02	4.369E-02	4.372E-02	4.374E-02	4.375E-02	4.376E-02	4.377E-02
304490.	3.740E-02	4.310E-02	4.346E-02	4.367E-02	4.381E-02	4.389E-02	4.392E-02	4.394E-02	4.395E-02	4.396E-02	4.397E-02
310490.	3.750E-02	4.330E-02	4.366E-02	4.387E-02	4.401E-02	4.409E-02	4.412E-02	4.414E-02	4.415E-02	4.416E-02	4.417E-02
316490.	3.760E-02	4.350E-02	4.386E-02	4.407E-02	4.421E-02	4.429E-02	4.432E-02	4.434E-02	4.435E-02	4.436E-02	4.437E-02
322490.	3.770E-02	4.370E-02	4.406E-02	4.427E-02	4.441E-02	4.449E-02	4.452E-02	4.454E-02	4.455E-02	4.456E-02	4.457E-02
328490.	3.780E-02	4.390E-02	4.426E-02	4.447E-02	4.461E-02	4.469E-02</					

TABLE A.5.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00F	.000E+00E
1207.	3.070E+03F	3.097E+03E	3.116E+03E	3.130E+03D	3.139E+03C	3.145E+03C	3.149E+03B	3.151E+03B	3.152E+03*	3.162E+03	3.162E+03
2012.	6.618E+03C	6.655E+03C	6.681E+03B	6.699E+03*	6.711E+03*	6.718E+03	6.722E+03	6.724E+03	6.725E+03	6.726E+03	6.726E+03
2816.	7.182E+03B	7.223E+03*	7.252E+03	7.272E+03	7.284E+03	7.292E+03	7.296E+03	7.299E+03	7.300E+03	7.300E+03	7.301E+03
3621.	8.536E+03*	8.581E+03	8.611E+03	8.632E+03	8.645E+03	8.652E+03	8.657E+03	8.659E+03	8.660E+03	8.661E+03	8.661E+03
4426.	9.671E+03	9.717E+03	9.749E+03	9.770E+03	9.785E+03	9.791E+03	9.795E+03	9.797E+03	9.799E+03	9.799E+03	9.799E+03
5230.	1.067E+04	1.072E+04	1.075E+04	1.077E+04	1.078E+04	1.079E+04	1.079E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04
6035.	1.155E+04	1.160E+04	1.163E+04	1.166E+04	1.167E+04	1.168E+04	1.168E+04	1.168E+04	1.169E+04	1.169E+04	1.169E+04
6840.	1.235E+04	1.240E+04	1.243E+04	1.246E+04	1.247E+04	1.248E+04	1.248E+04	1.248E+04	1.249E+04	1.249E+04	1.249E+04
7644.	1.311E+04	1.316E+04	1.319E+04	1.321E+04	1.323E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04
8451.	1.488E+04	1.493E+04	1.497E+04	1.499E+04	1.500E+04	1.501E+04	1.501E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04
10480.	1.664E+04	1.669E+04	1.672E+04	1.674E+04	1.675E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04
12470.	1.826E+04	1.831E+04	1.834E+04	1.836E+04	1.838E+04	1.838E+04	1.839E+04	1.839E+04	1.839E+04	1.839E+04	1.839E+04
14890.	2.187E+04	2.192E+04	2.195E+04	2.198E+04	2.199E+04	2.200E+04	2.200E+04	2.200E+04	2.201E+04	2.201E+04	2.201E+04
18110.	2.717E+04	2.723E+04	2.726E+04	2.728E+04	2.730E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04
22130.	3.242E+04	3.247E+04	3.251E+04	3.253E+04	3.254E+04	3.255E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04
26150.	3.757E+04	3.762E+04	3.766E+04	3.768E+04	3.769E+04	3.770E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04
30180.	4.288E+04	4.274E+04	4.277E+04	4.280E+04	4.281E+04	4.282E+04	4.282E+04	4.282E+04	4.283E+04	4.283E+04	4.283E+04
36210.	5.713E+04	5.719E+04	5.722E+04	5.725E+04	5.726E+04	5.727E+04	5.727E+04	5.727E+04	5.728E+04	5.728E+04	5.728E+04
44260.	7.131E+04	7.137E+04	7.140E+04	7.142E+04	7.144E+04	7.145E+04	7.145E+04	7.145E+04	7.145E+04	7.146E+04	7.146E+04
52300.	8.634E+04	8.639E+04	8.643E+04	8.645E+04	8.647E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04
60350.	1.012E+05	1.012E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05
68400.	1.141E+05	1.142E+05	1.142E+05	1.142E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05
76440.	1.261E+05	1.262E+05	1.262E+05	1.262E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05
84490.	1.378E+05	1.378E+05	1.378E+05	1.378E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05
92540.	1.492E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05
104600.	1.710E+05	1.711E+05	1.711E+05	1.711E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05
124700.	2.020E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05
148900.	2.309E+05	2.310E+05	2.310E+05	2.310E+05	2.310E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05
201200.	3.131E+05	3.131E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05
281600.	3.769E+05	3.790E+05	3.790E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05
442600.	5.022E+05	5.023E+05	5.023E+05	5.023E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05
684000.	5.649E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05

TABLE A.5.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03	3.152E+03
2012.		5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03	5.626E+03
2816.		7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03	7.301E+03
3621.		8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03	8.661E+03
4428.		9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03	9.800E+03
5230.		1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04	1.080E+04
6035.		1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04	1.169E+04
6840.		1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04	1.249E+04
7644.		1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04	1.324E+04
8651.		1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04	1.502E+04
10460.		1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04	1.677E+04
12470.		1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04	1.939E+04
14890.		2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04	2.201E+04
18110.		2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04	2.731E+04
22130.		3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04	3.256E+04
26150.		3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04	3.771E+04
30180.		4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04	4.283E+04
36210.		5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04	5.728E+04
44260.		7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04	7.146E+04
52300.		8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04	8.648E+04
60350.		1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05
68400.		1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05	1.143E+05
76440.		1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05	1.263E+05
84490.		1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05	1.379E+05
92540.		1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05	1.493E+05
104600.		1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05	1.712E+05
124700.		2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05	2.021E+05
148900.		2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05	2.311E+05
201200.		3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05	3.132E+05
281600.		3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05	3.791E+05
442600.		5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05	5.024E+05
684000.		5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05	5.650E+05

TABLE A.6.1. Early Dose for Pasquill B, 3.5 m/sec, Release Term is SST3:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)												
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0		
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	2.415E+00C	2.418E+00C	2.428E+00C	2.442E+00C	2.462E+00C	2.486E+00C	2.512E+00C	2.539E+00C	2.566E+00C	2.590E+00C	2.610E+00C	.000E+00	.000E+00
1207.	7.600E-01*	7.599E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*	7.598E-01*
2012.	3.009E-01	3.006E-01	2.997E-01	2.981E-01	2.958E-01	2.926E-01	2.885E-01	2.833E-01	2.769E-01	2.691E-01	2.600E-01	2.495E-01	2.375E-01
2816.	.000E+00	1.591E-01	1.583E-01	1.568E-01	1.547E-01	1.520E-01	1.485E-01	1.444E-01	1.395E-01	1.339E-01	1.275E-01	1.205E-01	1.125E-01
3621.	.000E+00	9.910E-02	9.841E-02	9.724E-02	9.559E-02	9.346E-02	9.083E-02	8.771E-02	8.410E-02	8.001E-02	7.545E-02	7.045E-02	6.500E-02
4426.	.000E+00	7.146E-02	7.083E-02	6.978E-02	6.831E-02	6.644E-02	6.417E-02	6.151E-02	5.848E-02	5.511E-02	5.143E-02	4.745E-02	4.310E-02
5230.	.000E+00	5.401E-02	5.350E-02	5.265E-02	5.147E-02	4.997E-02	4.815E-02	4.602E-02	4.361E-02	4.094E-02	3.804E-02	3.485E-02	3.135E-02
6035.	.000E+00	4.226E-02	4.184E-02	4.114E-02	4.017E-02	3.893E-02	3.744E-02	3.570E-02	3.373E-02	3.156E-02	2.922E-02	2.675E-02	2.415E-02
6840.	.000E+00	3.398E-02	3.363E-02	3.304E-02	3.222E-02	3.119E-02	2.993E-02	2.848E-02	2.685E-02	2.505E-02	2.311E-02	2.105E-02	1.885E-02
7644.	.000E+00	2.987E-02	2.951E-02	2.891E-02	2.808E-02	2.703E-02	2.578E-02	2.436E-02	2.277E-02	2.105E-02	1.922E-02	1.725E-02	1.515E-02
8451.	.000E+00	2.597E-02	2.563E-02	2.507E-02	2.430E-02	2.333E-02	2.218E-02	2.087E-02	1.942E-02	1.786E-02	1.622E-02	1.450E-02	1.270E-02
10460.	.000E+00	2.209E-02	2.179E-02	2.130E-02	2.062E-02	1.978E-02	1.875E-02	1.760E-02	1.633E-02	1.497E-02	1.354E-02	1.205E-02	1.050E-02
12470.	.000E+00	1.857E-02	1.831E-02	1.788E-02	1.728E-02	1.654E-02	1.568E-02	1.466E-02	1.356E-02	1.238E-02	1.115E-02	9.875E-03	8.545E-03
14890.	.000E+00	1.558E-02	1.532E-02	1.495E-02	1.443E-02	1.378E-02	1.302E-02	1.215E-02	1.120E-02	1.018E-02	9.130E-03	8.000E-03	6.825E-03
16110.	.000E+00	1.272E-02	1.252E-02	1.220E-02	1.176E-02	1.121E-02	1.056E-02	9.827E-03	9.027E-03	8.176E-03	7.294E-03	6.375E-03	5.420E-03
22130.	.000E+00	1.031E-02	1.014E-02	9.870E-03	9.498E-03	9.034E-03	8.488E-03	7.873E-03	7.203E-03	6.494E-03	5.745E-03	4.955E-03	4.125E-03
26150.	.000E+00	8.615E-03	8.471E-03	8.235E-03	7.912E-03	7.510E-03	7.038E-03	6.508E-03	5.934E-03	5.328E-03	4.706E-03	4.075E-03	3.435E-03
30180.	.000E+00	7.368E-03	7.238E-03	7.029E-03	6.744E-03	6.389E-03	5.975E-03	5.510E-03	5.007E-03	4.480E-03	3.940E-03	3.385E-03	2.815E-03
36210.	.000E+00	6.000E-03	5.892E-03	5.716E-03	5.477E-03	5.179E-03	4.832E-03	4.443E-03	4.024E-03	3.588E-03	3.140E-03	2.685E-03	2.215E-03
44260.	.000E+00	4.759E-03	4.670E-03	4.525E-03	4.328E-03	4.083E-03	3.799E-03	3.481E-03	3.140E-03	2.785E-03	2.424E-03	2.055E-03	1.680E-03
52300.	.000E+00	3.903E-03	3.827E-03	3.704E-03	3.537E-03	3.330E-03	3.089E-03	2.815E-03	2.535E-03	2.238E-03	1.938E-03	1.635E-03	1.325E-03
60350.	.000E+00	3.278E-03	3.212E-03	3.106E-03	2.961E-03	2.782E-03	2.575E-03	2.345E-03	2.100E-03	1.846E-03	1.592E-03	1.335E-03	1.075E-03
68400.	.000E+00	2.804E-03	2.746E-03	2.653E-03	2.525E-03	2.369E-03	2.187E-03	1.987E-03	1.774E-03	1.554E-03	1.335E-03	1.115E-03	9.840E-04
76440.	.000E+00	2.434E-03	2.383E-03	2.300E-03	2.187E-03	2.048E-03	1.898E-03	1.711E-03	1.523E-03	1.330E-03	1.138E-03	9.840E-04	8.400E-04
84490.	.000E+00	2.138E-03	2.092E-03	2.017E-03	1.916E-03	1.792E-03	1.649E-03	1.491E-03	1.325E-03	1.154E-03	1.011E-03	8.760E-04	7.475E-04
92540.	.000E+00	1.898E-03	1.855E-03	1.787E-03	1.698E-03	1.584E-03	1.458E-03	1.313E-03	1.164E-03	1.011E-03	8.760E-04	7.475E-04	6.245E-04
104600.	.000E+00	1.605E-03	1.569E-03	1.511E-03	1.432E-03	1.336E-03	1.225E-03	1.104E-03	9.758E-04	8.462E-04	7.162E-04	5.915E-04	4.715E-04
124700.	.000E+00	1.255E-03	1.227E-03	1.180E-03	1.117E-03	1.040E-03	9.513E-04	8.544E-04	7.525E-04	6.490E-04	5.471E-04	4.455E-04	3.445E-04
148900.	.000E+00	9.721E-04	9.491E-04	9.117E-04	8.613E-04	7.997E-04	7.293E-04	6.525E-04	5.720E-04	4.907E-04	4.112E-04	3.325E-04	2.545E-04
201200.	.000E+00	6.048E-04	5.901E-04	5.661E-04	5.338E-04	4.944E-04	4.491E-04	4.004E-04	3.492E-04	2.977E-04	2.475E-04	1.975E-04	1.475E-04
281600.	.000E+00	3.403E-04	3.316E-04	3.175E-04	2.985E-04	2.744E-04	2.491E-04	2.206E-04	1.909E-04	1.613E-04	1.327E-04	1.045E-04	7.685E-05
442600.	.000E+00	1.304E-04	1.271E-04	1.217E-04	1.144E-04	1.054E-04	9.520E-05	8.408E-05	7.249E-05	6.088E-05	4.969E-05	3.855E-05	2.745E-05
584000.	.000E+00	4.201E-05	4.093E-05	3.918E-05	3.680E-05	3.388E-05	3.052E-05	2.685E-05	2.302E-05	1.919E-05	1.550E-05	1.185E-05	8.255E-06

TABLE A.6.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		2.623E+00C	2.828E+00C	2.622E+00C	2.804E+00C	2.572E+00C	2.526E+00C	2.481E+00C	2.381E+00C	2.283E+00C	2.189E+00C	2.038E+00C
1207.		7.045E-01*	6.848E-01*	6.609E-01*	6.328E-01*	6.004E-01*	5.637E-01*	5.233E-01*	4.795E-01	4.330E-01	3.847E-01	3.358E-01
2012.		2.493E-01	2.370E-01	2.233E-01	2.081E-01	1.916E-01	1.741E-01	1.568E-01	1.370E-01	1.182E-01	9.973E-02	8.210E-02
3816.		1.208E-01	1.125E-01	1.040E-01	9.601E-02	8.559E-02	7.592E-02	6.619E-02	5.658E-02	4.731E-02	3.857E-02	3.057E-02
3621.		7.047E-02	6.511E-02	5.943E-02	5.353E-02	4.749E-02	4.142E-02	3.545E-02	2.970E-02	2.429E-02	1.980E-02	1.593E-02
4428.		4.749E-02	4.334E-02	3.904E-02	3.468E-02	3.028E-02	2.596E-02	2.184E-02	1.822E-02	1.507E-02	1.208E-02	9.334E-03
5230.		3.495E-02	3.171E-02	2.838E-02	2.501E-02	2.167E-02	1.842E-02	1.555E-02	1.262E-02	1.028E-02	7.980E-03	5.972E-03
6035.		2.673E-02	2.414E-02	2.148E-02	1.882E-02	1.620E-02	1.384E-02	1.156E-02	9.409E-03	7.434E-03	5.681E-03	4.179E-03
6840.		2.106E-02	1.894E-02	1.678E-02	1.462E-02	1.263E-02	1.070E-02	8.941E-03	7.538E-03	6.287E-03	5.247E-03	4.3097E-03
7844.		1.739E-02	1.540E-02	1.347E-02	1.173E-02	1.007E-02	8.465E-03	6.941E-03	5.587E-03	4.087E-03	2.271E-03	1.629E-03
8851.		1.453E-02	1.281E-02	1.112E-02	9.477E-03	7.915E-03	6.514E-03	5.187E-03	3.161E-03	2.351E-03	1.682E-03	1.151E-03
10460.		1.207E-02	1.059E-02	9.138E-03	7.732E-03	6.408E-03	5.111E-03	3.209E-03	2.441E-03	1.792E-03	1.263E-03	8.495E-04
12470.		9.891E-03	8.632E-03	7.399E-03	6.218E-03	5.111E-03	4.100E-03	3.289E-03	2.441E-03	1.792E-03	1.263E-03	8.495E-04
14890.		8.058E-03	6.991E-03	5.952E-03	4.984E-03	4.047E-03	3.215E-03	2.489E-03	1.872E-03	1.358E-03	9.413E-04	6.224E-04
18110.		6.402E-03	5.519E-03	4.685E-03	3.859E-03	3.118E-03	2.460E-03	1.869E-03	1.384E-03	9.885E-04	6.750E-04	4.380E-04
22130.		5.028E-03	4.305E-03	3.610E-03	2.960E-03	2.366E-03	1.839E-03	1.385E-03	1.010E-03	7.103E-04	4.788E-04	3.031E-04
26150.		4.083E-03	3.475E-03	2.894E-03	2.355E-03	1.868E-03	1.437E-03	1.077E-03	7.780E-04	5.387E-04	3.553E-04	2.216E-04
30180.		3.403E-03	2.880E-03	2.385E-03	1.927E-03	1.517E-03	1.164E-03	8.637E-04	6.168E-04	4.213E-04	2.739E-04	1.681E-04
36210.		2.697E-03	2.269E-03	1.866E-03	1.490E-03	1.168E-03	8.811E-04	6.438E-04	4.542E-04	3.062E-04	1.959E-04	1.181E-04
44260.		2.089E-03	1.728E-03	1.409E-03	1.119E-03	8.689E-04	6.437E-04	4.631E-04	3.209E-04	2.130E-04	1.339E-04	7.909E-05
52300.		1.645E-03	1.364E-03	1.104E-03	8.689E-04	6.625E-04	4.898E-04	3.508E-04	2.405E-04	1.570E-04	9.688E-05	5.602E-05
60360.		1.344E-03	1.109E-03	8.915E-04	6.970E-04	5.283E-04	3.891E-04	2.754E-04	1.863E-04	1.198E-04	7.271E-05	4.127E-05
68400.		1.122E-03	9.202E-04	7.356E-04	5.714E-04	4.321E-04	3.153E-04	2.210E-04	1.480E-04	9.407E-05	5.638E-05	3.175E-05
78440.		9.524E-04	7.776E-04	6.181E-04	4.789E-04	3.595E-04	2.601E-04	1.806E-04	1.197E-04	7.533E-05	4.487E-05	2.491E-05
84490.		8.203E-04	6.722E-04	5.288E-04	4.077E-04	3.039E-04	2.182E-04	1.502E-04	9.654E-05	6.188E-05	3.628E-05	1.987E-05
92540.		7.141E-04	5.785E-04	4.574E-04	3.508E-04	2.601E-04	1.856E-04	1.269E-04	8.297E-05	5.135E-05	2.982E-05	1.610E-05
104600.		5.928E-04	4.778E-04	3.745E-04	2.845E-04	2.098E-04	1.485E-04	1.007E-04	6.499E-05	3.982E-05	2.288E-05	1.220E-05
124700.		4.501E-04	3.604E-04	2.802E-04	2.109E-04	1.531E-04	1.087E-04	7.138E-05	4.553E-05	2.738E-05	1.539E-05	8.012E-06
148900.		3.359E-04	2.688E-04	2.058E-04	1.532E-04	1.099E-04	7.564E-05	4.990E-05	3.137E-05	1.855E-05	1.023E-05	5.205E-06
201200.		2.004E-04	1.574E-04	1.198E-04	8.789E-05	6.196E-05	4.178E-05	2.679E-05	1.624E-05	9.231E-06	4.879E-06	2.372E-06
281600.		1.061E-04	8.215E-05	6.142E-05	4.186E-05	3.044E-05	1.998E-05	1.243E-05	7.270E-06	3.987E-06	2.000E-06	9.209E-07
442600.		3.930E-05	3.002E-05	2.207E-05	1.554E-05	1.044E-05	6.650E-06	3.991E-06	2.239E-06	1.164E-06	5.546E-07	2.993E-07
684000.		1.209E-05	9.085E-06	6.541E-06	4.493E-06	2.929E-06	1.800E-06	1.036E-06	5.630E-07	2.714E-07	1.210E-07	4.828E-08

TABLE A.6.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)													
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0			
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.894E+008	1.737E+008	1.571E+008	1.398E+008	1.223E+008	1.049E+008	8.801E-01*	7.202E-01*	5.730E-01*	4.414E-01	3.277E-01	.000E+00	.000E+00	.000E+00
1207.	2.869E-01	2.398E-01	1.949E-01	1.539E-01	1.174E-01	8.614E-02	6.040E-02	4.017E-02	2.511E-02	1.788E-02	1.088E-02	.000E+00	.000E+00	.000E+00
2012.	6.572E-02	5.094E-02	3.806E-02	2.725E-02	1.858E-02	1.270E-02	8.591E-03	5.215E-03	2.807E-03	1.315E-03	5.220E-04	.000E+00	.000E+00	.000E+00
2818.	2.345E-02	1.847E-02	1.400E-02	9.978E-03	6.638E-03	4.077E-03	2.284E-03	1.148E-03	5.057E-04	1.901E-04	5.878E-05	.000E+00	.000E+00	.000E+00
3621.	1.231E-02	9.084E-03	6.358E-03	4.189E-03	2.571E-03	1.453E-03	7.441E-04	3.707E-04	1.572E-04	5.429E-05	1.463E-05	.000E+00	.000E+00	.000E+00
4426.	6.923E-03	4.899E-03	3.283E-03	2.065E-03	1.264E-03	7.102E-04	3.549E-04	1.543E-04	5.678E-05	1.703E-05	4.212E-06	.000E+00	.000E+00	.000E+00
5230.	4.285E-03	2.929E-03	1.972E-03	1.240E-03	7.161E-04	3.747E-04	1.744E-04	7.200E-05	2.595E-05	7.375E-06	1.567E-06	.000E+00	.000E+00	.000E+00
6035.	2.980E-03	2.034E-03	1.305E-03	7.797E-04	4.280E-04	2.177E-04	1.004E-04	3.949E-05	1.284E-05	3.308E-06	6.728E-07	.000E+00	.000E+00	.000E+00
6840.	2.180E-03	1.453E-03	9.088E-04	5.303E-04	2.891E-04	1.414E-04	6.073E-05	2.231E-05	7.129E-06	1.761E-06	3.155E-07	.000E+00	.000E+00	.000E+00
7644.	1.632E-03	1.088E-03	6.630E-04	3.836E-04	2.021E-04	9.530E-05	4.011E-05	1.440E-05	4.208E-06	9.613E-07	1.858E-07	.000E+00	.000E+00	.000E+00
8851.	1.112E-03	7.154E-04	4.342E-04	2.450E-04	1.255E-04	5.740E-05	2.323E-05	7.885E-06	2.158E-06	4.638E-07	7.004E-08	.000E+00	.000E+00	.000E+00
10460.	7.533E-04	4.671E-04	2.698E-04	1.457E-04	7.257E-05	3.197E-05	1.231E-05	3.971E-06	1.021E-06	2.010E-07	2.725E-08	.000E+00	.000E+00	.000E+00
12470.	5.416E-04	3.257E-04	1.823E-04	9.348E-05	4.322E-05	1.785E-05	6.324E-06	1.908E-06	4.594E-07	8.255E-08	1.013E-08	.000E+00	.000E+00	.000E+00
14890.	3.891E-04	2.283E-04	1.245E-04	6.188E-05	2.757E-05	1.079E-05	3.608E-06	8.893E-07	2.132E-07	3.372E-08	.000E+00	.000E+00	.000E+00	.000E+00
18110.	2.680E-04	1.531E-04	8.106E-05	3.900E-05	1.672E-05	6.242E-06	1.051E-06	2.519E-07	4.578E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	1.811E-04	1.007E-04	5.164E-05	2.398E-05	9.677E-06	3.518E-06	1.051E-06	1.388E-07	2.360E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	1.296E-04	7.030E-05	3.520E-05	1.587E-05	6.303E-06	2.153E-06	6.127E-07	1.388E-07	1.318E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	9.701E-05	5.191E-05	2.532E-05	1.107E-05	4.254E-06	1.403E-06	3.827E-07	8.230E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	6.654E-05	3.474E-05	1.647E-05	6.971E-06	2.578E-06	8.128E-07	2.094E-07	4.208E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	4.345E-05	2.195E-05	1.008E-05	4.120E-06	1.482E-06	4.379E-07	1.084E-07	1.993E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	3.005E-05	1.478E-05	6.614E-06	2.618E-06	8.950E-07	2.586E-07	5.935E-08	1.049E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	2.181E-05	1.056E-05	4.594E-06	1.760E-06	5.600E-07	1.599E-07	3.535E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	1.650E-05	7.810E-06	3.311E-06	1.235E-06	3.973E-07	1.056E-07	2.231E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	1.275E-05	5.937E-06	2.481E-06	9.076E-07	2.627E-07	7.260E-08	1.491E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	1.002E-05	4.611E-06	1.894E-06	6.795E-07	2.075E-07	5.204E-08	1.023E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	6.041E-06	3.643E-06	1.470E-06	5.180E-07	1.551E-07	3.800E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	5.976E-06	2.849E-06	1.041E-06	3.584E-07	1.035E-07	2.451E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	3.835E-06	1.663E-06	6.311E-07	2.086E-07	5.787E-08	1.295E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	2.414E-06	1.008E-06	3.723E-07	1.180E-07	3.124E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	1.058E-06	4.205E-07	1.458E-07	4.304E-08	1.050E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	3.818E-07	1.435E-07	4.672E-08	1.275E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	9.205E-08	3.101E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	1.697E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.6.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
-	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	2.332E-01	1.579E-01	1.009E-01	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	1207.	5.661E-03	2.473E-03	8.789E-04	2.426E-04	4.872E-05	6.478E-06	4.980E-07	1.813E-08	.000E+00	.000E+00	.000E+00	.000E+00
	2012.	1.695E-04	4.285E-05	7.890E-06	9.637E-07	7.953E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
o	2816.	1.602E-05	3.136E-06	3.797E-07	2.489E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	3621.	2.698E-06	3.876E-07	3.106E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	4426.	7.608E-07	8.531E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	5230.	2.307E-07	2.202E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	6035.	9.099E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	6840.	3.810E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	7644.	1.833E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	8851.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	10460.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	12470.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	14890.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	16110.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	22130.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.6.2. Early Dose for Pasquill B, 3.5 m/sec, Release Term is SST3:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C
1207.	7.064E-01*	2.119E-00*	3.532E-00*	4.943E-00*	6.353E-00*	7.759E-00*	9.160E-00*	1.055E-01*	1.193E-01*	1.329E-01*	1.463E-01*							
2012.	1.350E+00	4.049E+00	8.744E+00	9.431E+00	1.211E+01	1.477E+01	1.740E+01	2.001E+01	2.257E+01	2.508E+01	2.754E+01							
2816.	1.350E+00	5.000E+00	8.640E+00	1.226E+01	1.588E+01	1.943E+01	2.295E+01	2.642E+01	2.982E+01	3.313E+01	3.634E+01							
3621.	1.350E+00	5.812E+00	1.028E+01	1.468E+01	1.906E+01	2.339E+01	2.766E+01	3.184E+01	3.593E+01	3.990E+01	4.373E+01							
4426.	1.350E+00	6.523E+00	1.168E+01	1.679E+01	2.185E+01	2.685E+01	3.175E+01	3.658E+01	4.122E+01	4.574E+01	5.008E+01							
5230.	1.350E+00	7.161E+00	1.294E+01	1.868E+01	2.435E+01	2.994E+01	3.541E+01	4.075E+01	4.594E+01	5.094E+01	5.573E+01							
6035.	1.350E+00	7.737E+00	1.409E+01	2.039E+01	2.680E+01	3.272E+01	3.870E+01	4.438E+01	5.017E+01	5.580E+01	6.079E+01							
6840.	1.350E+00	8.261E+00	1.513E+01	2.194E+01	2.868E+01	3.525E+01	4.170E+01	4.798E+01	5.402E+01	5.984E+01	6.539E+01							
7644.	1.350E+00	8.775E+00	1.615E+01	2.346E+01	3.068E+01	3.772E+01	4.461E+01	5.129E+01	5.774E+01	6.392E+01	6.980E+01							
8851.	1.350E+00	1.000E+01	1.859E+01	2.708E+01	3.543E+01	4.359E+01	5.153E+01	5.921E+01	6.657E+01	7.360E+01	8.024E+01							
10460.	1.350E+00	1.123E+01	2.104E+01	3.072E+01	4.021E+01	4.948E+01	5.846E+01	6.711E+01	7.539E+01	8.325E+01	9.065E+01							
12470.	1.350E+00	1.309E+01	2.472E+01	3.618E+01	4.740E+01	5.831E+01	6.886E+01	7.897E+01	8.861E+01	9.770E+01	1.062E+02							
14890.	1.350E+00	1.495E+01	2.842E+01	4.167E+01	5.462E+01	6.718E+01	7.929E+01	9.088E+01	1.018E+02	1.121E+02	1.217E+02							
18110.	1.350E+00	1.876E+01	3.598E+01	5.269E+01	6.936E+01	8.529E+01	1.006E+02	1.151E+02	1.288E+02	1.415E+02	1.533E+02							
22130.	1.350E+00	2.255E+01	4.350E+01	6.403E+01	8.400E+01	1.032E+02	1.216E+02	1.390E+02	1.554E+02	1.705E+02	1.844E+02							
26150.	1.350E+00	2.628E+01	5.089E+01	7.499E+01	9.838E+01	1.209E+02	1.423E+02	1.625E+02	1.814E+02	1.989E+02	2.148E+02							
30180.	1.350E+00	2.999E+01	5.825E+01	8.589E+01	1.127E+02	1.384E+02	1.628E+02	1.858E+02	2.072E+02	2.270E+02	2.449E+02							
36210.	1.350E+00	4.045E+01	7.899E+01	1.166E+02	1.529E+02	1.877E+02	2.206E+02	2.513E+02	2.797E+02	3.057E+02	3.291E+02							
44260.	1.350E+00	5.069E+01	9.928E+01	1.466E+02	1.923E+02	2.358E+02	2.768E+02	3.151E+02	3.503E+02	3.822E+02	4.095E+02							
52300.	1.350E+00	6.151E+01	1.207E+02	1.763E+02	2.338E+02	2.865E+02	3.361E+02	3.822E+02	4.244E+02	4.626E+02	4.968E+02							
60350.	1.350E+00	7.214E+01	1.418E+02	2.094E+02	2.745E+02	3.363E+02	3.942E+02	4.479E+02	4.969E+02	5.411E+02	5.803E+02							
68400.	1.350E+00	8.140E+01	1.601E+02	2.365E+02	3.099E+02	3.795E+02	4.447E+02	5.049E+02	5.598E+02	6.091E+02	6.527E+02							
76440.	1.350E+00	9.048E+01	1.781E+02	2.631E+02	3.446E+02	4.219E+02	4.941E+02	5.607E+02	6.213E+02	6.766E+02	7.234E+02							
84490.	1.350E+00	9.926E+01	1.954E+02	2.887E+02	3.782E+02	4.628E+02	5.418E+02	6.145E+02	6.805E+02	7.395E+02	7.914E+02							
92540.	1.350E+00	1.079E+02	2.124E+02	3.139E+02	4.110E+02	5.028E+02	5.884E+02	6.671E+02	7.384E+02	8.020E+02	8.577E+02							
104600.	1.350E+00	1.242E+02	2.447E+02	3.615E+02	4.732E+02	5.786E+02	6.767E+02	7.668E+02	8.478E+02	9.200E+02	9.830E+02							
124700.	1.350E+00	1.471E+02	2.901E+02	4.285E+02	5.608E+02	6.850E+02	8.004E+02	9.060E+02	1.001E+03	1.085E+03	1.158E+03							
148900.	1.350E+00	1.684E+02	3.321E+02	4.905E+02	6.414E+02	7.833E+02	9.147E+02	1.035E+03	1.142E+03	1.237E+03	1.319E+03							
201200.	1.350E+00	2.277E+02	4.493E+02	6.831E+02	8.684E+02	1.057E+03	1.232E+03	1.391E+03	1.533E+03	1.657E+03	1.763E+03							
281600.	1.350E+00	2.745E+02	5.416E+02	7.991E+02	1.043E+03	1.272E+03	1.481E+03	1.671E+03	1.839E+03	1.985E+03	2.109E+03							
442600.	1.350E+00	3.590E+02	7.086E+02	1.045E+03	1.363E+03	1.660E+03	1.931E+03	2.175E+03	2.390E+03	2.576E+03	2.733E+03							
684000.	1.350E+00	4.011E+02	7.916E+02	1.167E+03	1.522E+03	1.853E+03	2.155E+03	2.428E+03	2.664E+03	2.868E+03	3.041E+03							

TABLE A.6.2. (Continued)

ANGLE FROM
CENTERLINE

(DEGREES)

DIST
(METERS)

	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C
1207.	1.594E+01*	1.722E+01*	1.844E+01*	1.962E+01*	2.074E+01*	2.179E+01*	2.276E+01*	2.365E+01	2.445E+01	2.517E+01	2.579E+01
2012.	2.991E+01	3.220E+01	3.438E+01	3.645E+01	3.839E+01	4.018E+01	4.182E+01	4.330E+01	4.461E+01	4.575E+01	4.673E+01
2816.	3.944E+01	4.240E+01	4.520E+01	4.784E+01	5.028E+01	5.253E+01	5.458E+01	5.638E+01	5.797E+01	5.935E+01	6.050E+01
3621.	4.740E+01	5.090E+01	5.419E+01	5.726E+01	6.010E+01	6.268E+01	6.501E+01	6.707E+01	6.886E+01	7.040E+01	7.168E+01
4426.	5.423E+01	5.815E+01	6.183E+01	6.525E+01	6.839E+01	7.123E+01	7.378E+01	7.602E+01	7.798E+01	7.961E+01	8.100E+01
5230.	6.029E+01	6.459E+01	6.860E+01	7.232E+01	7.571E+01	7.877E+01	8.150E+01	8.389E+01	8.595E+01	8.770E+01	8.915E+01
6035.	6.572E+01	7.034E+01	7.465E+01	7.862E+01	8.224E+01	8.549E+01	8.837E+01	9.089E+01	9.308E+01	9.488E+01	9.639E+01
6840.	7.063E+01	7.555E+01	8.012E+01	8.432E+01	8.813E+01	9.154E+01	9.456E+01	9.719E+01	9.944E+01	1.013E+02	1.029E+02
7644.	7.535E+01	8.053E+01	8.533E+01	8.973E+01	9.371E+01	9.727E+01	1.004E+02	1.031E+02	1.055E+02	1.074E+02	1.090E+02
8451.	8.647E+01	9.226E+01	9.759E+01	1.024E+02	1.068E+02	1.107E+02	1.140E+02	1.170E+02	1.194E+02	1.215E+02	1.232E+02
10460.	9.755E+01	1.039E+02	1.098E+02	1.150E+02	1.198E+02	1.239E+02	1.275E+02	1.308E+02	1.332E+02	1.354E+02	1.371E+02
12470.	1.141E+02	1.213E+02	1.279E+02	1.338E+02	1.390E+02	1.436E+02	1.475E+02	1.509E+02	1.537E+02	1.569E+02	1.578E+02
14890.	1.306E+02	1.387E+02	1.460E+02	1.525E+02	1.582E+02	1.631E+02	1.674E+02	1.709E+02	1.739E+02	1.763E+02	1.781E+02
16110.	1.641E+02	1.738E+02	1.825E+02	1.901E+02	1.968E+02	2.025E+02	2.073E+02	2.113E+02	2.145E+02	2.171E+02	2.191E+02
22130.	1.971E+02	2.084E+02	2.184E+02	2.271E+02	2.346E+02	2.410E+02	2.463E+02	2.508E+02	2.541E+02	2.569E+02	2.590E+02
26150.	2.292E+02	2.420E+02	2.533E+02	2.631E+02	2.714E+02	2.784E+02	2.841E+02	2.888E+02	2.926E+02	2.955E+02	2.977E+02
30180.	2.610E+02	2.753E+02	2.877E+02	2.985E+02	3.076E+02	3.151E+02	3.213E+02	3.263E+02	3.303E+02	3.333E+02	3.356E+02
36210.	3.499E+02	3.682E+02	3.839E+02	3.972E+02	4.083E+02	4.174E+02	4.248E+02	4.305E+02	4.350E+02	4.384E+02	4.409E+02
44280.	4.361E+02	4.581E+02	4.788E+02	4.926E+02	5.056E+02	5.160E+02	5.243E+02	5.308E+02	5.358E+02	5.394E+02	5.421E+02
52300.	5.264E+02	5.521E+02	5.739E+02	5.921E+02	6.089E+02	6.187E+02	6.280E+02	6.352E+02	6.408E+02	6.445E+02	6.474E+02
60350.	6.144E+02	6.438E+02	6.685E+02	6.889E+02	7.054E+02	7.185E+02	7.287E+02	7.365E+02	7.422E+02	7.464E+02	7.494E+02
68400.	6.908E+02	7.229E+02	7.500E+02	7.723E+02	7.903E+02	8.044E+02	8.154E+02	8.238E+02	8.297E+02	8.340E+02	8.371E+02
76440.	7.648E+02	8.001E+02	8.295E+02	8.536E+02	8.729E+02	8.880E+02	8.996E+02	9.083E+02	9.146E+02	9.192E+02	9.224E+02
84490.	8.362E+02	8.742E+02	9.058E+02	9.315E+02	9.521E+02	9.681E+02	9.803E+02	9.894E+02	9.960E+02	1.001E+03	1.004E+03
92540.	9.058E+02	9.464E+02	9.801E+02	1.007E+03	1.029E+03	1.046E+03	1.059E+03	1.068E+03	1.075E+03	1.080E+03	1.083E+03
104600.	1.037E+03	1.083E+03	1.120E+03	1.150E+03	1.174E+03	1.193E+03	1.206E+03	1.216E+03	1.224E+03	1.229E+03	1.232E+03
124700.	1.220E+03	1.272E+03	1.315E+03	1.349E+03	1.376E+03	1.396E+03	1.411E+03	1.422E+03	1.430E+03	1.435E+03	1.439E+03
148900.	1.388E+03	1.448E+03	1.494E+03	1.531E+03	1.560E+03	1.582E+03	1.598E+03	1.610E+03	1.618E+03	1.624E+03	1.627E+03
201200.	1.853E+03	1.928E+03	1.985E+03	2.031E+03	2.066E+03	2.092E+03	2.111E+03	2.124E+03	2.133E+03	2.139E+03	2.143E+03
281600.	2.213E+03	2.298E+03	2.365E+03	2.417E+03	2.457E+03	2.485E+03	2.506E+03	2.520E+03	2.530E+03	2.536E+03	2.540E+03
442800.	2.862E+03	2.968E+03	3.048E+03	3.110E+03	3.158E+03	3.189E+03	3.212E+03	3.228E+03	3.238E+03	3.245E+03	3.249E+03
684000.	3.182E+03	3.295E+03	3.364E+03	3.450E+03	3.499E+03	3.534E+03	3.558E+03	3.575E+03	3.585E+03	3.592E+03	3.596E+03

TABLE A.6.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	2.633E+01	2.677E+01	2.713E+01	2.742E+01	2.764E+01	2.780E+01	2.791E+01	2.799E+01	2.803E+01	2.809E+01	2.809E+01	2.809E+01
2012.	4.764E+01	4.820E+01	4.873E+01	4.913E+01	4.943E+01	4.964E+01	4.979E+01	4.989E+01	4.995E+01	4.999E+01	5.001E+01	5.001E+01
2816.	6.148E+01	6.223E+01	6.284E+01	6.330E+01	6.364E+01	6.388E+01	6.404E+01	6.415E+01	6.421E+01	6.425E+01	6.427E+01	6.427E+01
3621.	7.274E+01	7.359E+01	7.426E+01	7.474E+01	7.510E+01	7.536E+01	7.552E+01	7.563E+01	7.569E+01	7.573E+01	7.575E+01	7.575E+01
4428.	8.212E+01	8.302E+01	8.371E+01	8.423E+01	8.460E+01	8.486E+01	8.503E+01	8.514E+01	8.520E+01	8.524E+01	8.528E+01	8.528E+01
5230.	9.033E+01	9.126E+01	9.198E+01	9.251E+01	9.289E+01	9.315E+01	9.333E+01	9.343E+01	9.350E+01	9.354E+01	9.358E+01	9.358E+01
6036.	9.761E+01	9.857E+01	9.930E+01	9.984E+01	1.002E+02	1.005E+02	1.007E+02	1.008E+02	1.008E+02	1.009E+02	1.009E+02	1.009E+02
6840.	1.041E+02	1.051E+02	1.059E+02	1.064E+02	1.068E+02	1.071E+02	1.073E+02	1.074E+02	1.074E+02	1.075E+02	1.075E+02	1.075E+02
7644.	1.103E+02	1.113E+02	1.120E+02	1.126E+02	1.130E+02	1.133E+02	1.134E+02	1.135E+02	1.136E+02	1.137E+02	1.137E+02	1.137E+02
8851.	1.245E+02	1.255E+02	1.263E+02	1.269E+02	1.273E+02	1.276E+02	1.277E+02	1.278E+02	1.279E+02	1.279E+02	1.279E+02	1.279E+02
10460.	1.385E+02	1.395E+02	1.403E+02	1.409E+02	1.413E+02	1.416E+02	1.418E+02	1.419E+02	1.420E+02	1.420E+02	1.420E+02	1.420E+02
12470.	1.592E+02	1.603E+02	1.611E+02	1.617E+02	1.621E+02	1.624E+02	1.625E+02	1.626E+02	1.627E+02	1.628E+02	1.628E+02	1.628E+02
14890.	1.798E+02	1.807E+02	1.816E+02	1.822E+02	1.826E+02	1.829E+02	1.830E+02	1.831E+02	1.832E+02	1.832E+02	1.833E+02	1.833E+02
22130.	2.607E+02	2.619E+02	2.627E+02	2.634E+02	2.638E+02	2.641E+02	2.642E+02	2.643E+02	2.644E+02	2.645E+02	2.645E+02	2.645E+02
26150.	2.994E+02	3.006E+02	3.015E+02	3.021E+02	3.025E+02	3.028E+02	3.030E+02	3.031E+02	3.032E+02	3.032E+02	3.033E+02	3.033E+02
30180.	3.374E+02	3.386E+02	3.395E+02	3.401E+02	3.406E+02	3.409E+02	3.410E+02	3.411E+02	3.412E+02	3.413E+02	3.413E+02	3.413E+02
36210.	4.428E+02	4.441E+02	4.450E+02	4.457E+02	4.461E+02	4.464E+02	4.466E+02	4.467E+02	4.467E+02	4.468E+02	4.468E+02	4.468E+02
44260.	5.441E+02	5.454E+02	5.464E+02	5.470E+02	5.475E+02	5.478E+02	5.479E+02	5.481E+02	5.481E+02	5.482E+02	5.482E+02	5.482E+02
52300.	6.494E+02	6.508E+02	6.518E+02	6.524E+02	6.528E+02	6.531E+02	6.533E+02	6.534E+02	6.535E+02	6.535E+02	6.535E+02	6.535E+02
60360.	7.515E+02	7.529E+02	7.539E+02	7.546E+02	7.550E+02	7.553E+02	7.555E+02	7.556E+02	7.556E+02	7.557E+02	7.557E+02	7.557E+02
68400.	8.393E+02	8.408E+02	8.417E+02	8.424E+02	8.428E+02	8.431E+02	8.433E+02	8.434E+02	8.435E+02	8.435E+02	8.436E+02	8.436E+02
76440.	9.248E+02	9.260E+02	9.270E+02	9.277E+02	9.282E+02	9.284E+02	9.286E+02	9.287E+02	9.288E+02	9.288E+02	9.289E+02	9.289E+02
84490.	1.008E+03	1.008E+03	1.009E+03	1.009E+03	1.010E+03	1.010E+03	1.010E+03	1.010E+03	1.010E+03	1.011E+03	1.011E+03	1.011E+03
92540.	1.088E+03	1.087E+03	1.088E+03	1.089E+03	1.089E+03	1.089E+03	1.089E+03	1.090E+03	1.090E+03	1.090E+03	1.090E+03	1.090E+03
104600.	1.235E+03	1.236E+03	1.237E+03	1.238E+03	1.238E+03	1.239E+03	1.239E+03	1.239E+03	1.239E+03	1.239E+03	1.239E+03	1.239E+03
124700.	1.441E+03	1.443E+03	1.444E+03	1.445E+03	1.445E+03	1.445E+03	1.445E+03	1.446E+03	1.446E+03	1.446E+03	1.446E+03	1.446E+03
148900.	1.630E+03	1.631E+03	1.632E+03	1.633E+03	1.634E+03	1.634E+03	1.634E+03	1.634E+03	1.634E+03	1.634E+03	1.634E+03	1.634E+03
201200.	2.146E+03	2.148E+03	2.149E+03	2.149E+03	2.150E+03	2.150E+03	2.150E+03	2.150E+03	2.150E+03	2.150E+03	2.150E+03	2.150E+03
261600.	2.543E+03	2.544E+03	2.545E+03	2.546E+03	2.547E+03	2.547E+03	2.547E+03	2.547E+03	2.547E+03	2.547E+03	2.547E+03	2.547E+03
326200.	3.252E+03	3.254E+03	3.255E+03	3.255E+03	3.256E+03	3.256E+03	3.256E+03	3.256E+03	3.256E+03	3.256E+03	3.256E+03	3.256E+03
384000.	3.599E+03	3.601E+03	3.602E+03	3.602E+03	3.603E+03	3.603E+03	3.603E+03	3.603E+03	3.603E+03	3.604E+03	3.604E+03	3.604E+03

TABLE A.6.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01	2.810E-01
2012.		5.002E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01	5.003E-01
2816.		6.428E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01	6.429E-01
3621.		7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01	7.577E-01
4426.		8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01	8.528E-01
5230.		9.357E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01	9.358E-01
6035.		1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02	1.009E-02
6840.		1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02	1.075E-02
7644.		1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02	1.137E-02
8851.		1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02	1.280E-02
10480.		1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02	1.420E-02
12470.		1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02	1.628E-02
14890.		1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02	1.833E-02
18110.		2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02	2.244E-02
22130.		2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02	2.645E-02
26150.		3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02	3.033E-02
30180.		3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02	3.413E-02
36210.		4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02	4.468E-02
44260.		5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02	5.482E-02
52300.		6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02	6.536E-02
60350.		7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02	7.557E-02
68400.		8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02	8.436E-02
76440.		9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02	9.289E-02
84490.		1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03	1.011E-03
92540.		1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03	1.090E-03
104600.		1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03	1.239E-03
124700.		1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03	1.446E-03
148900.		1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03	1.634E-03
201200.		2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03	2.150E-03
261600.		2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03	2.547E-03
442600.		3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03	3.257E-03
684000.		3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03	3.604E-03

TABLE A.7.1. Early Dose for Pasquill C, 4.0 m/sec Release Term is SST1:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.		2.177E-04	2.174E-04	2.164E-04	2.148E-04	2.125E-04	2.093E-04	2.054E-04	2.008E-04	1.948E-04	1.881E-04	1.804E-04	
1207.		7.746E-03	7.716E-03	7.628E-03	7.478E-03	7.271E-03	7.008E-03	6.692E-03	6.325E-03	5.913E-03	5.462E-03	4.981E-03	
2012.		3.367E-03	3.348E-03	3.291E-03	3.197E-03	3.068E-03	2.908E-03	2.720E-03	2.507E-03	2.276E-03	2.033E-03	1.783E-03	
2816.		1.902E-03	1.888E-03	1.849E-03	1.784E-03	1.696E-03	1.587E-03	1.462E-03	1.323E-03	1.178E-03	1.025E-03	8.750E-02	
3621.		1.229E-03	1.219E-03	1.190E-03	1.143E-03	1.080E-03	1.002E-03	9.137E-02	8.170E-02	7.159E-02	6.137E-02	5.139E-02	
4428.		8.644E-02	8.589E-02	8.348E-02	7.990E-02	7.509E-02	6.928E-02	6.284E-02	5.549E-02	4.808E-02	4.089E-02	3.358E-02	
5230.		6.428E-02	6.389E-02	6.195E-02	5.913E-02	5.538E-02	5.080E-02	4.568E-02	4.014E-02	3.448E-02	2.888E-02	2.356E-02	
6035.		4.980E-02	4.932E-02	4.790E-02	4.562E-02	4.257E-02	3.890E-02	3.477E-02	3.038E-02	2.590E-02	2.151E-02	1.737E-02	
6840.		3.978E-02	3.938E-02	3.820E-02	3.631E-02	3.378E-02	3.075E-02	2.737E-02	2.377E-02	2.014E-02	1.660E-02	1.329E-02	
7644.		3.257E-02	3.223E-02	3.123E-02	2.983E-02	2.760E-02	2.496E-02	2.211E-02	1.912E-02	1.610E-02	1.318E-02	1.047E-02	
8851.		2.513E-02	2.486E-02	2.406E-02	2.278E-02	2.108E-02	1.906E-02	1.681E-02	1.445E-02	1.209E-02	9.817E-01	7.728E-01	
10460.		1.908E-02	1.886E-02	1.822E-02	1.720E-02	1.586E-02	1.428E-02	1.249E-02	1.068E-02	8.832E-01	7.099E-01	5.520E-01	
12470.		1.417E-02	1.400E-02	1.351E-02	1.272E-02	1.169E-02	1.046E-02	9.115E-01	7.722E-01	6.348E-01	5.064E-01	3.867E-01	
14890.		1.044E-02	1.031E-02	9.934E-01	9.330E-01	8.537E-01	7.504E-01	6.586E-01	5.538E-01	4.513E-01	3.557E-01H	2.704E-01H	
18110.		7.702E-01	7.601E-01	7.305E-01	6.835E-01	6.222E-01	5.504E-01	4.727E-01	3.935E-01	3.169E-01H	2.484E-01G	1.844E-01F	
22130.		6.367E-01	6.277E-01	6.012E-01	5.593E-01	5.050E-01	4.422E-01	3.750E-01	3.075E-01	2.434E-01G	1.858E-01	1.358E-01	
26150.		5.424E-01	5.344E-01	5.110E-01	4.740E-01	4.284E-01	3.714E-01	3.130E-01	2.547E-01H	1.998E-01	1.508E-01F	1.091E-01E	
30180.		4.719E-01	4.647E-01	4.437E-01	4.106E-01	3.680E-01	3.191E-01	2.674E-01H	2.182E-01G	1.683E-01F	1.258E-01E	9.006E-00	
38210.		3.939E-01	3.878E-01	3.695E-01	3.409E-01	3.043E-01H	2.624E-01H	2.184E-01G	1.751E-01F	1.350E-01	9.977E-00	7.050E-00	
44260.		3.218E-01	3.165E-01	3.011E-01	2.768E-01H	2.459E-01	2.108E-01G	1.740E-01F	1.382E-01	1.054E-01E	7.688E-00	5.352E-00D	
52300.		2.710E-01H	2.683E-01H	2.529E-01H	2.318E-01G	2.050E-01G	1.748E-01F	1.433E-01	1.129E-01E	8.523E-00	6.149E-00	4.259E-00	
60350.		2.331E-01	2.290E-01	2.171E-01G	1.985E-01	1.750E-01	1.484E-01	1.210E-01	9.463E-00	7.084E-00	5.061E-00D	3.439E-00	
68400.		2.039E-01G	2.003E-01G	1.898E-01	1.729E-01	1.518E-01F	1.282E-01	1.040E-01E	8.078E-00	5.184E-00D	3.627E-00	2.417E-00	
76440.		1.806E-01	1.773E-01	1.678E-01F	1.525E-01F	1.336E-01	1.123E-01E	9.084E-00	7.001E-00	5.184E-00D	3.627E-00	2.417E-00	
84490.		1.618E-01F	1.588E-01F	1.497E-01	1.380E-01	1.187E-01	9.953E-00	7.995E-00	6.143E-00	4.503E-00	3.140E-00	2.075E-00C	
92540.		1.458E-01	1.430E-01	1.349E-01	1.223E-01	1.066E-01E	8.901E-00	7.121E-00	5.445E-00D	3.989E-00	2.749E-00	1.803E-00	
104600.		1.263E-01	1.238E-01	1.166E-01E	1.055E-01E	9.159E-00	7.620E-00	6.065E-00D	4.792E-00	3.608E-00	2.581E-00C	1.750E-00	
124700.		1.022E-01E	1.001E-01E	9.414E-00	8.489E-00	7.338E-00	6.068E-00D	4.792E-00	3.608E-00	2.581E-00C	1.750E-00	1.120E-00B	
148900.		8.190E-00	8.018E-00	7.522E-00D	6.768E-00D	5.809E-00D	4.771E-00	3.738E-00	2.785E-00C	1.969E-00	1.316E-00B	8.289E-01*	
201200.		5.414E-00D	5.295E-00D	4.950E-00	4.421E-00	3.769E-00	3.062E-00C	2.385E-00C	1.734E-00B	1.202E-00B	7.852E-01*	4.813E-01	
281600.		3.284E-00C	3.187E-00C	2.968E-00C	2.633E-00C	2.223E-00C	1.783E-00B	1.356E-00B	9.746E-01*	6.602E-01*	4.198E-01	2.493E-01	
442600.		1.398E-00B	1.361E-00B	1.261E-00B	1.109E-00B	9.252E-01*	7.304E-01*	5.644E-01*	3.819E-01	2.512E-01	1.542E-01	8.765E-02	
684000.		5.036E-01*	4.903E-01	4.522E-01	3.947E-01	3.256E-01	2.532E-01	1.852E-01	1.268E-01	8.101E-02	4.802E-02	2.625E-02	

TABLE A.7.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.717E-04	1.621E-04	1.516E-04	1.404E-04	1.286E-04	1.164E-04	1.039E-04	9.156E-05	7.942E-05	6.774E-05	5.675E-05
1207.	4.478E-03	3.964E-03	3.451E-03	2.948E-03	2.468E-03	2.021E-03	1.614E-03	1.255E-03	9.476E-04	6.920E-04	4.871E-04
2012.	1.534E-03	1.292E-03	1.064E-03	8.533E-04	6.657E-04	5.034E-04	3.679E-04	2.588E-04	1.745E-04	1.121E-04	6.835E-05
2818.	7.299E-02	5.938E-02	4.701E-02	3.613E-02	2.686E-02	1.928E-02	1.326E-02	8.730E-03	5.465E-03	3.233E-03	1.794E-03
3621.	4.196E-02	3.332E-02	2.567E-02	1.914E-02	1.378E-02	9.496E-03	6.288E-03	3.935E-03	2.336E-03	1.325E-03	7.083E-04
4426.	2.998E-02	2.101E-02	1.585E-02	1.154E-02	8.079E-03	5.413E-03	3.456E-03	2.112E-03	1.229E-03	6.655E-04	3.324E-04
5230.	1.868E-02	1.438E-02	1.063E-02	7.588E-03	5.197E-03	3.399E-03	2.145E-03	1.278E-03	7.126E-04	3.865E-04	1.750E-04
6035.	1.361E-02	1.031E-02	7.539E-03	5.297E-03	3.564E-03	2.315E-03	1.424E-03	8.228E-04	4.437E-04	2.211E-04	1.007E-04
6840.	1.031E-02	7.730E-03	5.582E-03	3.870E-03	2.590E-03	1.648E-03	9.901E-04	5.580E-04	2.926E-04	1.413E-04	6.322E-05
7644.	8.051E-01	5.975E-01	4.265E-01	2.939E-01	1.937E-01	1.211E-01	7.142E-02	3.943E-02	2.023E-02	9.651E-03	4.171E-03
8851.	5.880E-01	4.311E-01	3.038E-01	2.045E-01	1.312E-01	8.045E-02	4.845E-02	2.502E-02	1.246E-02	5.704E-03	2.361E-03
10460.	4.142E-01	2.990E-01	2.069E-01	1.366E-01	8.568E-02	5.075E-02	2.800E-02	1.501E-02	7.262E-03	3.191E-03	1.261E-03
12470.	2.880E-01	2.049E-01	1.395E-01	9.039E-02	5.550E-02	3.209E-02	1.747E-02	8.867E-03	4.126E-03	1.740E-03	6.551E-04
14890.	1.977E-01	1.388E-01	9.272E-02	5.896E-02	3.543E-02	2.000E-02	1.059E-02	5.219E-03	2.345E-03	9.503E-04	3.420E-04
18110.	1.325E-01	9.103E-02	5.957E-02	3.894E-02	2.159E-02	1.181E-02	6.003E-03	2.844E-03	1.232E-03	4.790E-04	1.643E-04
22130.	9.521E-02	6.365E-02	4.041E-02	2.423E-02	1.365E-02	7.174E-03	3.487E-03	1.572E-03	6.499E-04	2.398E-04	7.745E-05
26150.	7.542E-02	4.966E-02	3.099E-02	1.824E-02	1.068E-02	5.162E-03	2.451E-03	1.062E-03	4.143E-04	1.438E-04	4.342E-05
30180.	6.154E-02	3.998E-02	2.458E-02	1.423E-02	7.701E-03	3.881E-03	1.798E-03	7.577E-04	2.869E-04	9.616E-05	2.803E-05
36210.	4.748E-02	3.031E-02	1.828E-02	1.035E-02	5.465E-03	2.671E-03	1.198E-03	4.880E-04	1.778E-04	5.705E-05	1.583E-05
44260.	3.541E-02	2.218E-02	1.308E-02	7.223E-03	3.707E-03	1.754E-03	7.584E-04	2.966E-04	1.034E-04	3.156E-05	8.263E-06
52300.	2.755E-02	1.697E-02	9.824E-03	5.311E-03	2.862E-03	1.227E-03	5.167E-04	1.955E-04	6.552E-05	1.912E-05	4.761E-06
60350.	2.214E-02	1.344E-02	7.654E-03	4.062E-03	1.995E-03	9.016E-04	3.995E-04	1.356E-04	4.395E-05	1.236E-05	2.952E-06
68400.	1.820E-02	1.091E-02	6.128E-03	3.204E-03	1.550E-03	6.864E-04	2.743E-04	9.804E-05	3.084E-05	8.389E-06	1.932E-06
76440.	1.522E-02	9.016E-03	4.992E-03	2.574E-03	1.224E-03	5.318E-04	2.086E-04	7.300E-05	2.245E-05	5.935E-06	1.320E-06
84490.	1.294E-02	7.583E-03	4.153E-03	2.112E-03	9.882E-04	4.212E-04	1.618E-04	5.527E-05	1.659E-05	4.277E-06	9.264E-07
92540.	1.115E-02	6.468E-03	3.507E-03	1.761E-03	8.120E-04	3.405E-04	1.284E-04	4.307E-05	1.261E-05	3.160E-06	6.826E-07
104600.	9.097E-03	5.212E-03	2.760E-03	1.372E-03	6.212E-04	2.552E-04	9.398E-05	3.082E-05	8.693E-06	2.104E-06	4.241E-07
124700.	6.728E-03	3.778E-03	1.969E-03	9.461E-04	4.153E-04	1.649E-04	5.867E-05	1.843E-05	5.013E-06	1.157E-06	2.214E-07
148900.	4.892E-03	2.692E-03	1.372E-03	6.424E-04	2.741E-04	1.054E-04	3.617E-05	1.089E-05	2.819E-06	6.147E-07	1.100E-07
201200.	2.784E-03	1.462E-03	7.152E-04	3.198E-04	1.294E-04	4.690E-05	1.502E-05	4.184E-06	9.980E-07	1.983E-07	3.218E-08
281600.	1.375E-03	7.002E-04	3.264E-04	1.381E-04	5.251E-05	1.771E-05	5.226E-06	1.326E-06	2.838E-07	4.999E-08	7.049E-09
442800.	4.618E-04	2.223E-04	9.723E-05	3.823E-05	1.337E-05	4.100E-06	1.080E-06	2.439E-07	5.433E-08	6.843E-09	8.082E-10
684000.	1.314E-04	5.977E-05	2.447E-05	8.915E-06	2.855E-06	7.916E-07	1.868E-07	3.676E-08	5.866E-09	7.453E-10	.000E+00

TABLE A.7.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)													
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0			
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	4.660E-03	3.746E-03	2.940E-03	2.249E-03	1.679E-03	1.205E-03H	8.385E-02H	5.615E-02H	3.603E-02H	2.203E-02H	1.277E-02H	.000E+00	.000E+00	.000E+00
1207.	3.292E-02	2.125E-02H	1.304E-02H	7.546E-01H	4.092E-01H	2.059E-01Q	9.518E-00D	3.988E-00C	1.492E-00B	5.545E-01*	1.670E-01	.000E+00	.000E+00	.000E+00
2012.	3.921E-01H	2.101E-01Q	1.042E-01E	4.724E-00C	1.939E-00B	7.330E-01*	2.508E-01	7.083E-02	1.605E-02	2.803E-03	3.582E-04	.000E+00	.000E+00	.000E+00
2816.	9.262E+00D	4.610E+00C	2.089E+00C	8.360E-01*	2.924E-01	8.671E-02	2.125E-02	4.153E-03	6.189E-04	6.641E-05	4.766E-06	.000E+00	.000E+00	.000E+00
3621.	3.471E+00C	1.541E+00B	6.102E-01*	2.118E-01	6.306E-02	1.567E-02	3.147E-03	5.137E-04	5.989E-05	4.606E-06	2.126E-07	.000E+00	.000E+00	.000E+00
4428.	1.514E+00B	6.200E-01*	2.247E-01	7.068E-02	1.935E-02	4.332E-03	7.555E-04	9.771E-05	8.803E-06	5.091E-07	1.729E-08	.000E+00	.000E+00	.000E+00
5230.	7.534E-01*	2.900E-01	1.004E-01	2.975E-02	7.317E-03	1.445E-03	2.198E-04	2.461E-05	1.886E-06	8.714E-08	.000E+00	.000E+00	.000E+00	.000E+00
6035.	4.197E-01	1.582E-01	5.047E-02	1.382E-02	3.120E-03	5.866E-04	7.854E-05	7.690E-06	4.934E-07	1.880E-08	.000E+00	.000E+00	.000E+00	.000E+00
6840.	2.536E-01	8.965E-02	2.738E-02	7.066E-03	1.515E-03	2.533E-04	3.148E-05	2.737E-06	1.555E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	1.610E-01	5.452E-02	1.605E-02	3.971E-03	7.922E-04	1.225E-04	1.413E-05	1.119E-06	5.539E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8651.	8.934E-02	2.860E-02	7.948E-03	1.836E-03	3.384E-04	4.778E-05	4.937E-06	8.406E-07	1.434E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	4.438E-02	1.360E-02	3.517E-03	7.512E-04	1.279E-04	1.639E-05	1.495E-06	8.898E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	2.167E-02	6.245E-03	1.518E-03	2.981E-04	4.571E-05	5.236E-06	4.152E-07	2.128E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	1.074E-02	2.894E-03	6.525E-04	1.178E-04	1.634E-05	1.862E-06	1.165E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	4.884E-03	1.230E-03	2.571E-04	4.259E-05	5.833E-06	4.782E-07	2.872E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	2.153E-03	5.022E-04	9.581E-05	1.457E-05	1.649E-06	1.313E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	1.123E-03	2.420E-04	4.831E-05	6.004E-06	6.130E-07	4.341E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	6.950E-04	1.423E-04	2.327E-05	2.923E-06	2.682E-07	1.710E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	3.712E-04	7.132E-05	1.086E-05	1.258E-06	1.048E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	1.814E-04	3.244E-05	4.553E-06	4.779E-07	3.559E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	9.877E-05	1.657E-05	2.158E-06	2.083E-07	1.407E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	5.842E-05	9.252E-06	1.128E-06	1.011E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	3.680E-05	5.522E-06	6.384E-07	5.383E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	2.406E-05	3.478E-06	3.822E-07	3.027E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	1.842E-05	2.283E-06	2.393E-07	1.801E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	1.134E-05	1.525E-06	1.549E-07	1.120E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	6.916E-06	8.800E-07	8.369E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	3.382E-06	3.991E-07	3.482E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	1.570E-06	1.720E-07	1.382E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	4.090E-07	3.911E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	7.689E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

ANGLE FROM CENTERLINE
(DEGREES)

A-52

TABLE A.7.2. Early Dose For Pasquill C, 4.0 m/sec, Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)												
DIST (METERS)	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
1207.	7.200E+03	2.164E+04	3.572E+04	4.982E+04	6.314E+04	7.617E+04	8.861E+04	1.004E+05	1.114E+05	1.216E+05	1.308E+05	
2012.	1.440E+04	4.307E+04	7.133E+04	9.892E+04	1.256E+05	1.510E+05	1.761E+05	1.976E+05	2.183E+05	2.372E+05	2.541E+05	
2816.	2.008E+04	6.003E+04	9.933E+04	1.376E+05	1.743E+05	2.093E+05	2.421E+05	2.725E+05	3.002E+05	3.252E+05	3.473E+05	
3621.	2.512E+04	7.508E+04	1.241E+05	1.717E+05	2.173E+05	2.605E+05	3.008E+05	3.379E+05	3.716E+05	4.015E+05	4.278E+05	
4426.	2.942E+04	8.790E+04	1.453E+05	2.008E+05	2.539E+05	3.040E+05	3.505E+05	3.931E+05	4.316E+05	4.658E+05	4.953E+05	
5230.	3.322E+04	9.921E+04	1.639E+05	2.264E+05	2.861E+05	3.421E+05	3.941E+05	4.414E+05	4.839E+05	5.214E+05	5.538E+05	
6035.	3.661E+04	1.093E+05	1.805E+05	2.493E+05	3.147E+05	3.761E+05	4.327E+05	4.842E+05	5.302E+05	5.706E+05	6.054E+05	
6840.	3.968E+04	1.186E+05	1.966E+05	2.699E+05	3.406E+05	4.087E+05	4.676E+05	5.227E+05	5.718E+05	6.148E+05	6.517E+05	
7644.	4.248E+04	1.268E+05	2.083E+05	2.887E+05	3.641E+05	4.345E+05	4.992E+05	5.577E+05	6.095E+05	6.548E+05	6.934E+05	
8851.	4.842E+04	1.445E+05	2.344E+05	3.244E+05	4.139E+05	4.933E+05	5.660E+05	6.313E+05	6.889E+05	7.387E+05	7.811E+05	
10460.	5.374E+04	1.603E+05	2.643E+05	3.643E+05	4.583E+05	5.457E+05	6.253E+05	6.965E+05	7.590E+05	8.128E+05	8.583E+05	
12470.	6.081E+04	1.814E+05	2.989E+05	4.114E+05	5.172E+05	6.150E+05	7.037E+05	7.826E+05	8.515E+05	9.103E+05	9.598E+05	
14890.	6.706E+04	2.000E+05	3.294E+05	4.531E+05	5.691E+05	6.780E+05	7.726E+05	8.582E+05	9.324E+05	9.958E+05H	1.048E+06H	
18110.	7.860E+04	2.343E+05	3.856E+05	5.298E+05	6.845E+05	8.456E+05	9.986E+05	1.125E+06	1.226E+06G	1.303E+06	1.366E+06	
22130.	9.030E+04	2.691E+05	4.425E+05	6.072E+05	7.805E+05	9.001E+05	1.025E+06	1.133E+06	1.226E+06G	1.293E+06	1.348E+06	
26150.	1.020E+05	3.039E+05	4.994E+05	6.847E+05	8.584E+05	1.012E+06	1.150E+06	1.270E+06H	1.371E+06	1.456E+06F	1.523E+06E	
30180.	1.139E+05	3.392E+05	5.571E+05	7.630E+05	9.533E+05	1.125E+06	1.277E+06H	1.407E+06F	1.517E+06F	1.607E+06E	1.680E+06	
36210.	1.483E+05	4.412E+05	7.235E+05	9.889E+05	1.282E+06H	1.450E+06H	1.639E+06G	1.801E+06F	1.934E+06	2.041E+06	2.126E+06	
44260.	1.829E+05	5.439E+05	8.910E+05	1.216E+06H	1.512E+06	1.775E+06G	2.002E+06F	2.193E+06	2.349E+06E	2.473E+06	2.569E+06D	
52300.	2.204E+05H	6.553E+05H	1.072E+06H	1.462E+06G	1.815E+06G	2.126E+06F	2.393E+06	2.615E+06E	2.796E+06	2.936E+06	3.044E+06	
60350.	2.583E+05	7.674E+05	1.255E+06G	1.709E+06	2.118E+06	2.478E+06	2.784E+06	3.037E+06	3.240E+06	3.397E+06D	3.516E+06	
68400.	2.919E+05G	8.872E+05G	1.417E+06	1.928E+06	2.388E+06F	2.790E+06	3.130E+06E	3.410E+06	3.632E+06	3.804E+06	3.932E+06	
76440.	3.256E+05	9.671E+05	1.580E+06F	2.147E+06F	2.657E+06	3.101E+06E	3.475E+06	3.781E+06	4.023E+06D	4.208E+06	4.345E+06	
84490.	3.588E+05F	1.065E+06F	1.740E+06	2.365E+06	2.922E+06	3.406E+06	3.813E+06	4.144E+06	4.404E+06	4.602E+06	4.748E+06C	
92540.	3.919E+05	1.163E+06	1.899E+06	2.578E+06	3.185E+06E	3.710E+06	4.149E+06	4.505E+06D	4.783E+06	4.993E+06	5.147E+06	
104600.	4.561E+05	1.353E+06	2.207E+06E	2.994E+06E	3.694E+06	4.296E+06	4.797E+06D	5.200E+06	5.512E+06	5.746E+06C	5.915E+06	
124700.	5.495E+05E	1.630E+06E	2.656E+06	3.597E+06	4.431E+06	5.145E+06D	5.734E+06	6.202E+06	6.561E+06C	6.827E+06	7.017E+06B	
148900.	6.391E+05	1.895E+06	3.086E+06D	4.175E+06D	5.136E+06D	5.954E+06	6.624E+06	7.184E+06C	7.566E+06	7.851E+06B	8.059E+06*	
201200.	9.046E+05D	2.680E+06D	4.356E+06	5.879E+06	7.209E+06	8.328E+06C	9.230E+06C	9.929E+06B	1.045E+07B	1.082E+07*	1.108E+07	
281600.	1.129E+06C	3.342E+06C	5.425E+06C	7.310E+06C	8.948E+06C	1.031E+07B	1.140E+07B	1.223E+07*	1.284E+07*	1.327E+07	1.368E+07	
442600.	1.581E+06B	4.676E+06B	7.577E+06B	1.018E+07B	1.242E+07*	1.425E+07*	1.570E+07*	1.678E+07*	1.755E+07	1.808E+07	1.843E+07	
684000.	1.833E+06*	5.419E+06	8.773E+06	1.177E+07	1.433E+07	1.642E+07	1.805E+07	1.928E+07	2.011E+07	2.069E+07	2.106E+07	

TABLE A.7.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		1.766E-05	1.770E-05H	1.773E-05H	1.774E-05H	1.775E-05H	1.775E-05Q	1.775E-05Q	1.775E-05C	1.775E-05B	1.775E-05*	1.775E-05
2012.		3.298E-05H	3.301E-05Q	3.304E-05E	3.305E-05C	3.306E-05B	3.307E-05*	3.307E-05	3.307E-05	3.307E-05	3.307E-05	3.307E-05
2818.		4.405E-05D	4.410E-05C	4.413E-05C	4.414E-05*	4.415E-05	4.416E-05	4.416E-05	4.416E-05	4.416E-05	4.416E-05	4.416E-05
3621.		5.339E-05C	5.345E-05B	5.348E-05*	5.349E-05*	5.350E-05	5.351E-05	5.351E-05	5.351E-05	5.351E-05	5.351E-05	5.351E-05
4428.		6.110E-05B	6.116E-05*	6.119E-05	6.120E-05	6.121E-05	6.122E-05	6.122E-05	6.122E-05	6.122E-05	6.122E-05	6.122E-05
5230.		6.772E-05*	6.777E-05	6.780E-05	6.782E-05	6.783E-05	6.783E-05	6.783E-05	6.783E-05	6.783E-05	6.783E-05	6.783E-05
6035.		7.350E-05	7.356E-05	7.359E-05	7.360E-05	7.361E-05	7.362E-05	7.362E-05	7.362E-05	7.362E-05	7.362E-05	7.362E-05
6840.		7.865E-05	7.870E-05	7.873E-05	7.875E-05	7.876E-05	7.876E-05	7.876E-05	7.876E-05	7.876E-05	7.876E-05	7.876E-05
7844.		8.327E-05	8.332E-05	8.335E-05	8.337E-05	8.338E-05	8.338E-05	8.338E-05	8.339E-05	8.339E-05	8.339E-05	8.339E-05
8651.		9.290E-05	9.295E-05	9.298E-05	9.300E-05	9.301E-05	9.301E-05	9.301E-05	9.301E-05	9.301E-05	9.301E-05	9.301E-05
10460.		1.013E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06	1.014E-06
12470.		1.123E-06	1.123E-06	1.124E-06	1.124E-06	1.124E-06	1.124E-06	1.124E-06	1.124E-06	1.124E-06	1.124E-06	1.124E-06
14890.		1.218E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06	1.219E-06
18110.		1.389E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06	1.390E-06
22130.		1.557E-06	1.557E-06	1.557E-06	1.558E-06	1.558E-06	1.558E-06	1.558E-06	1.558E-06	1.558E-06	1.558E-06	1.558E-06
26150.		1.721E-06	1.722E-06	1.722E-06	1.722E-06	1.722E-06	1.723E-06	1.723E-06	1.723E-06	1.723E-06	1.723E-06	1.723E-06
30180.		1.886E-06	1.886E-06	1.887E-06	1.887E-06	1.887E-06	1.887E-06	1.887E-06	1.887E-06	1.887E-06	1.887E-06	1.887E-06
36210.		2.353E-06	2.353E-06	2.354E-06	2.354E-06	2.354E-06	2.354E-06	2.354E-06	2.354E-06	2.354E-06	2.354E-06	2.354E-06
44260.		2.814E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06	2.815E-06
52300.		3.306E-06	3.307E-06	3.307E-06	3.307E-06	3.308E-06	3.308E-06	3.308E-06	3.308E-06	3.308E-06	3.308E-06	3.308E-06
60350.		3.795E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06	3.796E-06
68400.		4.225E-06	4.225E-06	4.226E-06	4.226E-06	4.226E-06	4.226E-06	4.226E-06	4.226E-06	4.226E-06	4.226E-06	4.226E-06
78440.		4.651E-06	4.651E-06	4.651E-06	4.652E-06	4.652E-06	4.652E-06	4.652E-06	4.652E-06	4.652E-06	4.652E-06	4.652E-06
84490.		5.065E-06	5.066E-06	5.066E-06	5.066E-06	5.066E-06	5.067E-06	5.067E-06	5.067E-06	5.067E-06	5.067E-06	5.067E-06
92540.		5.476E-06	5.476E-06	5.476E-06	5.477E-06	5.477E-06	5.477E-06	5.477E-06	5.477E-06	5.477E-06	5.477E-06	5.477E-06
104600.		6.263E-06	6.263E-06	6.264E-06	6.264E-06	6.264E-06	6.264E-06	6.264E-06	6.264E-06	6.264E-06	6.264E-06	6.264E-06
124700.		7.390E-06	7.391E-06	7.391E-06	7.391E-06	7.392E-06	7.392E-06	7.392E-06	7.392E-06	7.392E-06	7.392E-06	7.392E-06
148900.		8.454E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06	8.455E-06
201200.		1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07	1.153E-07
281600.		1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07	1.405E-07
442600.		1.896E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07	1.897E-07
684000.		2.162E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07	2.163E-07

TABLE A.7.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
201. 604. 1207. 2012. 2816. 3621. 4428. 5230. 6036. 6840. 7644. 8851. 10460. 12470. 14890. 18110. 22130. 28150. 30180. 36210. 44260. 52300. 60350. 68400. 78440. 84490. 92640. 104600. 124700. 148900. 201200. 281600. 442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.0

TABLE A.7.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.391E+05	1.465E+05	1.529E+05	1.584E+05	1.630E+05	1.667E+05	1.697E+05	1.720E+05	1.738E+05	1.751E+05	1.760E+05
2012.	2.690E+05	2.819E+05	2.928E+05	3.020E+05	3.094E+05	3.153E+05	3.199E+05	3.233E+05	3.259E+05	3.276E+05	3.286E+05H
2816.	3.666E+05	3.830E+05	3.968E+05	4.081E+05	4.171E+05	4.242E+05	4.296E+05	4.335E+05	4.364E+05H	4.383E+05H	4.390E+05F
3821.	4.505E+05	4.697E+05	4.858E+05	4.984E+05	5.086E+05	5.164E+05	5.223E+05	5.266E+05H	5.298E+05G	5.317E+05E	5.331E+05D
4426.	5.207E+05	5.419E+05	5.594E+05	5.734E+05	5.844E+05	5.927E+05	5.990E+05H	6.035E+05G	6.068E+05E	6.088E+05D	6.101E+05C
5230.	5.814E+05	6.044E+05	6.231E+05	6.380E+05	6.496E+05	6.583E+05H	6.649E+05G	6.695E+05E	6.727E+05D	6.749E+05	6.763E+05
6035.	6.349E+05	6.592E+05	6.790E+05	6.946E+05	7.067E+05	7.158E+05H	7.224E+05E	7.272E+05	7.305E+05	7.327E+05C	7.341E+05B
6840.	6.827E+05	7.083E+05	7.289E+05	7.451E+05	7.575E+05H	7.669E+05F	7.737E+05	7.786E+05D	7.819E+05	7.841E+05B	7.856E+05*
7644.	7.258E+05	7.524E+05	7.738E+05	7.905E+05H	8.033E+05F	8.129E+05E	8.198E+05D	8.247E+05	8.281E+05C	8.303E+05	8.318E+05
8851.	8.162E+05	8.449E+05	8.678E+05H	8.853E+05G	8.988E+05E	9.087E+05	9.159E+05	9.209E+05C	9.243E+05B	9.266E+05*	9.281E+05
10460.	8.957E+05	9.260E+05H	9.500E+05G	9.684E+05E	9.823E+05	9.925E+05D	9.999E+05C	1.005E+05B	1.008E+05*	1.011E+05	1.012E+05
12470.	1.000E+06H	1.032E+06G	1.058E+06E	1.077E+05	1.091E+06D	1.102E+06C	1.109E+06	1.115E+06	1.118E+06	1.121E+06	1.122E+06
14890.	1.091E+06F	1.128E+06E	1.151E+06	1.171E+06D	1.185E+06	1.197E+06	1.205E+06B	1.210E+06*	1.213E+06	1.216E+06	1.217E+06
18110.	1.255E+06E	1.292E+06	1.320E+06D	1.341E+06	1.357E+06C	1.368E+06B	1.376E+06*	1.381E+06	1.385E+06	1.387E+06	1.388E+06
22130.	1.417E+06	1.458E+06D	1.485E+06	1.507E+06C	1.523E+06	1.535E+06	1.543E+06	1.548E+06	1.552E+06	1.554E+06	1.556E+06
26150.	1.576E+06	1.618E+06	1.649E+06	1.671E+06	1.688E+06B	1.700E+06*	1.708E+06	1.713E+06	1.717E+06	1.719E+06	1.720E+06
30180.	1.736E+06D	1.779E+06	1.812E+06C	1.835E+06	1.852E+06	1.864E+06	1.872E+06	1.877E+06	1.881E+06	1.883E+06	1.886E+06
36210.	2.191E+06	2.239E+06	2.275E+06	2.300E+06B	2.318E+06*	2.330E+06	2.339E+06	2.344E+06	2.348E+06	2.350E+06	2.352E+06
44260.	2.842E+06	2.895E+06C	2.933E+06B	2.960E+06	2.979E+06	2.992E+06	2.800E+06	2.808E+06	2.809E+06	2.812E+06	2.813E+06
52300.	3.124E+06	3.182E+06	3.223E+06	3.251E+06*	3.271E+06	3.284E+06	3.292E+06	3.298E+06	3.302E+06	3.304E+06	3.305E+06
60350.	3.603E+06C	3.666E+06	3.709E+06	3.739E+06	3.759E+06	3.772E+06	3.781E+06	3.787E+06	3.790E+06	3.793E+06	3.794E+06
68400.	4.028E+06	4.091E+06B	4.137E+06*	4.168E+06	4.189E+06	4.202E+06	4.211E+06	4.216E+06	4.220E+06	4.223E+06	4.224E+06
76440.	4.444E+06	4.513E+06	4.561E+06	4.593E+06	4.614E+06	4.627E+06	4.636E+06	4.642E+06	4.646E+06	4.648E+06	4.650E+06
84490.	4.853E+06	4.925E+06	4.974E+06	5.007E+06	5.028E+06	5.042E+06	5.051E+06	5.057E+06	5.061E+06	5.063E+06	5.064E+06
92540.	5.257E+06B	5.332E+06	5.383E+06	5.416E+06	5.438E+06	5.452E+06	5.461E+06	5.467E+06	5.471E+06	5.473E+06	5.475E+06
104600.	5.634E+06	5.714E+06*	5.769E+06	5.803E+06	5.825E+06	5.839E+06	5.848E+06	5.854E+06	5.858E+06	5.861E+06	5.862E+06
124700.	7.148E+06*	7.235E+06	7.292E+06	7.329E+06	7.352E+06	7.367E+06	7.376E+06	7.382E+06	7.386E+06	7.389E+06	7.390E+06
148900.	8.200E+06	8.294E+06	8.354E+06	8.392E+06	8.415E+06	8.430E+06	8.440E+06	8.448E+06	8.449E+06	8.452E+06	8.453E+06
201200.	1.124E+07	1.135E+07	1.142E+07	1.146E+07	1.149E+07	1.150E+07	1.151E+07	1.152E+07	1.152E+07	1.152E+07	1.152E+07
281600.	1.375E+07	1.387E+07	1.394E+07	1.398E+07	1.401E+07	1.402E+07	1.403E+07	1.404E+07	1.404E+07	1.404E+07	1.404E+07
442600.	1.864E+07	1.878E+07	1.885E+07	1.890E+07	1.892E+07	1.894E+07	1.895E+07	1.896E+07	1.896E+07	1.896E+07	1.896E+07
684000.	2.129E+07	2.143E+07	2.151E+07	2.156E+07	2.158E+07	2.160E+07	2.161E+07	2.162E+07	2.162E+07	2.162E+07	2.162E+07

TABLE A.8.1. Early Dose for Pasquill C, 4.0 m/sec, Release Term is SST2:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
201. 604. 1207. 2012. 2816. 3621. 4426. 5230. 6035. 6840. 7644. 8851. 10460. 12470. 14890. 18110. 22130. 26150. 30180. 36210. 44260. 52300. 60350. 68400. 76440. 84490. 92540. 104600. 124700. 148900. 201200. 281600. 442600. 584000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00</

TABLE A.8.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)									
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0 42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	4.311E+02	4.062E+02	3.794E+02	3.507E+02	3.208E+02	2.899E+02	2.586E+02	2.274E+02	1.970E+02H	1.679E+02H 1.404E+02H
1207.	1.180E+02	1.028E+02	8.917E+01	7.608E+01H	6.361E+01H	5.202E+01H	4.150E+01H	3.224E+01G	2.430E+01G	1.773E+01F 1.247E+01E
2012.	4.056E+01H	3.413E+01H	2.807E+01H	2.250E+01G	1.754E+01F	1.325E+01E	9.679E+00D	6.803E+00C	4.583E+00C	2.945E+00C 1.793E+00B
2818.	1.951E+01F	1.587E+01F	1.255E+01E	9.642E+00	7.165E+00D	5.134E+00D	3.533E+00C	2.325E+00C	1.454E+00B	8.599E+01* 4.770E+01
3621.	1.130E+01E	8.968E+00	6.907E+00D	5.147E+00D	3.698E+00	2.552E+00C	1.684E+00B	1.057E+00B	6.269E+01*	3.552E+01 1.898E+01
4428.	7.288E+00	5.679E+00D	4.284E+00	3.118E+00	2.182E+00C	1.482E+00B	9.329E+01	5.699E+01*	3.312E+01	1.792E+01 8.945E+02
5230.	5.058E+00D	3.882E+00	2.879E+00	2.055E+00C	1.407E+00B	9.202E+01	6.282E+01*	3.457E+01	1.927E+01	9.958E+02 4.726E+02
6035.	3.695E+00	2.800E+00	2.047E+00C	1.438E+00	9.675E+01	6.282E+01*	3.861E+01	2.231E+01	1.202E+01	5.988E+02 2.728E+02
6840.	2.803E+00	2.101E+00C	1.517E+00	1.052E+00B	7.038E+01	4.477E+01	2.889E+01	1.615E+01	7.944E+02	3.837E+02 1.715E+02
7644.	2.190E+00C	1.626E+00	1.160E+00B	7.993E+01	5.267E+01*	3.293E+01	1.941E+01	1.072E+01	5.499E+02	2.822E+02 1.133E+02
8451.	1.599E+00	1.172E+00B	8.256E+01	5.581E+01*	3.567E+01	2.188E+01	1.283E+01	6.805E+02	3.389E+02	1.551E+02 6.475E+03
10460.	1.128E+00B	8.128E+01	5.624E+01*	3.714E+01	2.329E+01	1.360E+01	7.76E+02	4.081E+02	1.972E+02	8.675E+02 3.430E+03
12470.	7.823E+01	5.587E+01*	3.789E+01	2.458E+01	1.508E+01	8.719E+02	4.747E+02	2.410E+02	1.121E+02	4.728E+03 1.781E+03
14890.	5.365E+01*	3.761E+01	2.517E+01	1.600E+01	9.619E+02	5.430E+02	2.876E+02	1.417E+02	6.389E+03	2.581E+03 9.291E+04
18110.	3.589E+01	2.466E+01	1.614E+01	1.001E+01	5.852E+02	3.202E+02	1.628E+02	7.713E+03	3.344E+03	1.300E+03 4.480E+04
22130.	2.572E+01	1.720E+01	1.092E+01	6.551E+02	3.691E+02	1.940E+02	9.439E+03	4.254E+03	1.759E+03	6.489E+04 2.098E+04
26150.	2.031E+01	1.338E+01	8.352E+02	4.917E+02	2.712E+02	1.392E+02	6.614E+03	2.868E+03	1.119E+03	3.879E+04 1.174E+04
30180.	1.853E+01	1.074E+01	6.807E+02	3.825E+02	2.071E+02	1.044E+02	4.840E+03	2.041E+03	7.731E+04	2.592E+04 7.560E+05
36210.	1.270E+01	8.114E+02	4.894E+02	2.772E+02	1.484E+02	7.157E+03	3.211E+03	1.309E+03	4.774E+04	1.533E+04 4.255E+05
44280.	9.435E+02	5.911E+02	3.488E+02	1.926E+02	9.892E+03	4.683E+03	2.025E+03	7.924E+04	2.765E+04	8.442E+05 2.212E+05
52300.	7.309E+02	4.504E+02	2.608E+02	1.411E+02	7.074E+03	3.262E+03	1.374E+03	5.204E+04	1.745E+04	5.097E+05 1.270E+05
60350.	5.851E+02	3.554E+02	2.024E+02	1.075E+02	5.281E+03	2.388E+03	9.794E+04	3.598E+04	1.167E+04	3.282E+05 7.846E+06
68440.	4.793E+02	2.875E+02	1.615E+02	8.448E+03	4.089E+03	1.810E+03	7.240E+04	2.592E+04	8.158E+05	2.220E+05 5.119E+06
84490.	3.997E+02	2.368E+02	1.312E+02	6.768E+03	3.221E+03	1.400E+03	5.495E+04	1.924E+04	5.919E+05	1.567E+05 3.489E+06
92540.	3.390E+02	1.987E+02	1.088E+02	5.539E+03	2.593E+03	1.108E+03	4.249E+04	1.452E+04	4.363E+05	1.126E+05 2.441E+06
104600.	2.913E+02	1.690E+02	9.170E+03	4.607E+03	2.128E+03	8.917E+04	3.365E+04	1.129E+04	3.308E+05	8.298E+06 1.741E+06
124700.	1.747E+02	1.358E+02	7.248E+03	3.577E+03	1.621E+03	6.661E+04	2.455E+04	8.001E+05	2.274E+05	5.607E+06 1.111E+06
148900.	1.286E+02	8.989E+03	3.552E+03	1.684E+03	7.100E+04	2.732E+04	9.377E+05	4.799E+05	1.306E+05	3.016E+06 5.772E+07
201200.	7.113E+03	3.777E+03	1.648E+03	8.262E+04	3.345E+04	1.212E+04	3.891E+05	1.081E+05	2.574E+06	5.129E+07 8.318E+08
281600.	3.555E+03	1.810E+03	8.437E+04	3.357E+04	1.357E+04	4.576E+05	1.350E+05	3.426E+06	7.329E+07	1.291E+07 1.820E+08
442600.	1.204E+03	5.794E+04	2.532E+04	9.950E+05	3.476E+05	1.066E+05	2.821E+06	6.331E+07	1.179E+07	1.775E+08 .000E+00
684000.	3.487E+04	1.584E+04	6.477E+05	2.357E+05	7.540E+06	2.089E+06	4.924E+07	9.678E+08	1.548E+08	.000E+00 .000E+00

TABLE A.8.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)															
DIST (METERS)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0					64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
604.	1.152E+02H	9.249E+01H	7.253E+01H	5.542E+01H	4.117E+01H	2.964E+01H	2.061E+01G	1.379E+01E	8.842E+00D	5.404E+00D					3.129E+00C
1207.	8.415E+00D	5.428E+00D	3.328E+00C	1.924E+00B	1.042E+00B	5.242E-01*	2.421E-01	1.014E-01	3.789E-02	1.394E-02					4.170E-03
2012.	1.028E+00B	5.507E-01*	2.729E-01	1.237E-01	5.059E-02	1.911E-02	6.498E-03	1.828E-03	4.128E-04	7.188E-05					9.160E-06
2816.	2.461E-01	1.222E-01	5.523E-02	2.212E-02	7.702E-03	2.281E-03	5.582E-04	1.090E-04	1.622E-05	1.739E-06					1.247E-07
3621.	9.279E-02	4.113E-02	1.627E-02	5.643E-03	1.678E-03	4.168E-04	8.361E-05	1.360E-05	1.581E-06	1.213E-07					.000E+00
4426.	4.070E-02	1.686E-02	6.035E-03	1.897E-03	5.183E-04	1.158E-04	2.016E-05	2.604E-06	2.343E-07	1.353E-08					.000E+00
5230.	2.034E-02	7.827E-03	2.708E-03	8.011E-04	1.968E-04	3.882E-05	5.896E-06	6.598E-07	5.041E-08	.000E+00					.000E+00
6035.	1.136E-02	4.225E-03	1.384E-03	3.734E-04	8.423E-05	1.528E-05	2.115E-06	2.088E-07	1.325E-08	.000E+00					.000E+00
6840.	6.876E-03	2.429E-03	7.411E-04	1.913E-04	4.098E-05	6.844E-06	6.503E-07	7.387E-08	.000E+00	.000E+00					.000E+00
7644.	4.371E-03	1.480E-03	4.355E-04	1.076E-04	2.146E-05	3.318E-06	3.824E-07	3.024E-08	.000E+00	.000E+00					.000E+00
8651.	2.402E-03	7.773E-04	2.160E-04	4.988E-05	9.189E-06	1.297E-06	1.339E-07	.000E+00	.000E+00	.000E+00					.000E+00
10460.	1.207E-03	3.699E-04	9.584E-05	2.043E-05	3.477E-06	4.456E-07	4.082E-08	.000E+00	.000E+00	.000E+00					.000E+00
12470.	5.892E-04	1.698E-04	4.123E-05	8.107E-06	1.243E-06	1.424E-07	1.129E-08	.000E+00	.000E+00	.000E+00					.000E+00
14890.	2.918E-04	7.863E-05	1.773E-05	3.201E-06	4.441E-07	4.519E-08	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
18110.	1.326E-04	3.339E-05	6.983E-06	1.157E-06	1.449E-07	1.299E-08	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
22130.	5.834E-05	1.361E-05	2.598E-06	3.952E-07	4.475E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
26150.	3.036E-05	6.546E-06	1.172E-06	1.626E-07	1.661E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
30180.	1.875E-05	3.841E-06	6.288E-07	7.902E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
36210.	9.984E-06	1.920E-06	2.924E-07	3.384E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
44260.	4.858E-06	8.695E-07	1.221E-07	1.283E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
52300.	2.636E-06	4.426E-07	5.770E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
60350.	1.554E-06	2.463E-07	3.008E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
68400.	9.706E-07	1.466E-07	1.696E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
76440.	6.363E-07	9.204E-08	1.012E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
84490.	4.328E-07	6.025E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
92540.	2.982E-07	4.016E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
104600.	1.813E-07	2.309E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
124700.	8.825E-08	1.043E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
148900.	4.082E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
201200.	1.056E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00					.000E+00

ANGLE FROM CENTERLINE (DEGREES)

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TABLE A.8.2. Early Dose for Pasquill C, 4.0 m/sec, Release Term is SST2:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)											
DIST (METERS)	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.883E-02	5.635E-02	9.343E-02	1.298E-03	1.651E-03	1.991E-03	2.315E-03	2.621E-03	2.907E-03	3.171E-03	3.411E-03
2012.	3.797E-02	1.136E-03	1.880E-03	2.607E-03	3.309E-03	3.979E-03	4.612E-03	5.203E-03	5.747E-03	6.241E-03	6.683E-03H
2818.	5.321E-02	1.591E-03	2.632E-03	3.644E-03	4.617E-03	5.542E-03	6.408E-03H	7.211E-03H	7.943E-03H	8.601E-03H	9.183E-03G
3621.	6.880E-02H	1.996E-03H	3.300E-03H	4.566E-03H	5.778E-03H	6.923E-03H	7.992E-03G	8.975E-03G	9.865E-03F	1.068E-04F	1.135E-04E
4428.	7.846E-02G	2.344E-03G	3.873E-03G	5.354E-03G	6.788E-03G	8.101E-03F	9.338E-03F	1.047E-04F	1.149E-04E	1.239E-04E	1.318E-04
5230.	8.878E-02F	2.651E-03F	4.379E-03F	6.049E-03F	7.640E-03F	9.138E-03	1.052E-04E	1.178E-04E	1.291E-04	1.391E-04	1.477E-04D
6035.	9.797E-02	2.925E-03	4.831E-03	6.689E-03E	8.419E-03E	1.006E-04E	1.157E-04	1.294E-04	1.417E-04	1.524E-04D	1.617E-04
6840.	1.063E-03E	3.174E-03E	5.240E-03E	7.231E-03	9.122E-03	1.089E-04	1.252E-04	1.399E-04	1.530E-04D	1.645E-04	1.743E-04
7644.	1.139E-03	3.401E-03	5.613E-03	7.743E-03	9.763E-03	1.165E-04	1.338E-04D	1.494E-04	1.633E-04	1.753E-04	1.858E-04
8651.	1.301E-03	3.882E-03	6.403E-03D	8.828E-03D	1.112E-04D	1.325E-04D	1.519E-04	1.694E-04	1.848E-04	1.982E-04C	2.095E-04C
10460.	1.445E-03D	4.312E-03D	7.109E-03	9.792E-03	1.232E-04	1.467E-04	1.681E-04	1.871E-04	2.039E-04C	2.183E-04	2.304E-04
12470.	1.637E-03	4.884E-03	8.047E-03	1.107E-04	1.392E-04	1.655E-04	1.893E-04C	2.105E-04C	2.290E-04	2.448E-04B	2.580E-04B
14890.	1.807E-03	5.388E-03	8.874E-03C	1.220E-04C	1.533E-04C	1.821E-04C	2.080E-04	2.310E-04	2.510E-04B	2.679E-04	2.819E-04*
18110.	2.119E-03C	6.317E-03C	1.040E-04	1.428E-04	1.791E-04	2.123E-04	2.421E-04	2.683E-04B	2.908E-04	3.097E-04	3.253E-04
22130.	2.435E-03	7.255E-03	1.193E-04	1.637E-04	2.050E-04	2.426E-04B	2.761E-04B	3.054E-04	3.303E-04	3.510E-04*	3.680E-04
26150.	2.751E-03	8.193E-03	1.346E-04	1.845E-04	2.308E-04B	2.727E-04	3.099E-04	3.421E-04	3.694E-04*	3.919E-04	4.101E-04
30180.	3.069E-03	9.139E-03	1.501E-04B	2.055E-04B	2.568E-04	3.030E-04	3.438E-04	3.789E-04*	4.084E-04	4.327E-04	4.521E-04
36210.	3.987E-03B	1.186E-04B	1.945E-04	2.659E-04	3.313E-04	3.998E-04	4.407E-04*	4.840E-04	5.198E-04	5.487E-04	5.714E-04
44260.	4.907E-03	1.459E-04	2.390E-04	3.262E-04	4.057E-04	4.763E-04*	5.372E-04*	5.884E-04	6.302E-04	6.635E-04	6.893E-04
52300.	5.901E-03	1.754E-04	2.871E-04	3.913E-04	4.850E-04*	5.692E-04	6.406E-04	7.001E-04	7.482E-04	7.860E-04	8.149E-04
60350.	6.898E-03	2.050E-04	3.352E-04*	4.584E-04*	5.659E-04	6.620E-04	7.438E-04	8.114E-04	8.656E-04	9.077E-04	9.395E-04
68400.	7.783E-03*	2.312E-04*	3.779E-04	5.141E-04	6.388E-04	7.440E-04	8.348E-04	9.094E-04	9.688E-04	1.015E-05	1.049E-05
76440.	8.666E-03	2.574E-04	4.205E-04	5.716E-04	7.073E-04	8.255E-04	9.252E-04	1.007E-05	1.071E-05	1.121E-05	1.157E-05
84490.	8.666E-03	2.744E-04	4.535E-04	6.192E-04	7.677E-04	8.968E-04	1.005E-05	1.093E-05	1.162E-05	1.215E-05	1.254E-05
92540.	8.666E-03	2.913E-04	4.864E-04	6.668E-04	8.277E-04	9.671E-04	1.084E-05	1.178E-05	1.252E-05	1.308E-05	1.349E-05
104600.	8.666E-03	3.241E-04	5.500E-04	7.591E-04	9.435E-04	1.103E-05	1.236E-05	1.343E-05	1.425E-05	1.487E-05	1.532E-05
124700.	8.666E-03	3.715E-04	6.421E-04	8.904E-04	1.110E-05	1.299E-05	1.454E-05	1.578E-05	1.673E-05	1.744E-05	1.794E-05
149900.	8.666E-03	4.189E-04	7.300E-04	1.017E-05	1.270E-05	1.485E-05	1.691E-05	1.801E-05	1.907E-05	1.985E-05	2.040E-05
201200.	8.666E-03	5.509E-04	9.894E-04	1.388E-05	1.736E-05	2.029E-05	2.266E-05	2.449E-05	2.586E-05	2.684E-05	2.751E-05
281600.	8.666E-03	6.642E-04	1.208E-05	1.700E-05	2.128E-05	2.484E-05	2.788E-05	2.987E-05	3.147E-05	3.259E-05	3.335E-05
442600.	8.666E-03	8.952E-04	1.653E-05	2.334E-05	2.918E-05	3.398E-05	3.775E-05	4.058E-05	4.261E-05	4.399E-05	4.490E-05
684000.	8.666E-03	1.027E-05	1.906E-05	2.692E-05	3.363E-05	3.911E-05	4.338E-05	4.654E-05	4.879E-05	5.030E-05	5.128E-05

TABLE A.8.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00H	.000E+00H
	1207.	3.627E+03	3.618E+03	3.984E+03	4.125E+03H	4.243E+03H	4.340E+03H	4.417E+03H	4.477E+03H	4.522E+03G	4.565E+03F	4.578E+03E
	2012.	7.072E+03H	7.409E+03H	7.895E+03H	7.933E+03G	8.126E+03F	8.279E+03E	8.398E+03D	8.477E+03D	8.552E+03C	8.597E+03C	8.828E+03B
	2818.	9.889E+03F	1.012E+04F	1.048E+04E	1.078E+04	1.101E+04D	1.120E+04D	1.134E+04C	1.144E+04C	1.151E+04B	1.166E+04*	1.160E+04
	3821.	1.195E+04E	1.246E+04	1.288E+04D	1.321E+04D	1.348E+04	1.368E+04C	1.384E+04B	1.395E+04B	1.403E+04*	1.408E+04	1.412E+04
	4428.	1.385E+04	1.441E+04D	1.487E+04	1.524E+04	1.553E+04C	1.575E+04B	1.591E+04	1.603E+04*	1.611E+04	1.617E+04	1.620E+04
	5230.	1.550E+04D	1.611E+04	1.660E+04	1.699E+04C	1.730E+04B	1.753E+04	1.770E+04*	1.782E+04	1.790E+04	1.796E+04	1.800E+04
	6035.	1.695E+04	1.760E+04	1.812E+04C	1.853E+04	1.885E+04	1.909E+04*	1.928E+04	1.939E+04	1.947E+04	1.953E+04	1.957E+04
	6840.	1.825E+04	1.893E+04C	1.948E+04	1.990E+04B	2.023E+04	2.048E+04	2.066E+04	2.078E+04	2.087E+04	2.093E+04	2.097E+04
	7644.	1.943E+04C	2.013E+04	2.070E+04B	2.114E+04	2.148E+04*	2.173E+04	2.191E+04	2.204E+04	2.213E+04	2.219E+04	2.222E+04
	8851.	2.188E+04	2.284E+04B	2.325E+04	2.372E+04*	2.407E+04	2.433E+04	2.452E+04	2.465E+04	2.474E+04	2.480E+04	2.484E+04
	10460.	2.404E+04B	2.485E+04	2.549E+04*	2.598E+04	2.634E+04	2.661E+04	2.681E+04	2.694E+04	2.703E+04	2.709E+04	2.713E+04
	12470.	2.687E+04	2.774E+04*	2.841E+04	2.892E+04	2.931E+04	2.958E+04	2.978E+04	2.992E+04	3.001E+04	3.007E+04	3.011E+04
	14890.	2.934E+04*	3.024E+04	3.095E+04	3.148E+04	3.188E+04	3.216E+04	3.236E+04	3.250E+04	3.259E+04	3.265E+04	3.269E+04
	18110.	3.378E+04	3.476E+04	3.551E+04	3.608E+04	3.649E+04	3.678E+04	3.699E+04	3.713E+04	3.722E+04	3.728E+04	3.732E+04
	22130.	3.814E+04	3.918E+04	3.998E+04	4.056E+04	4.099E+04	4.129E+04	4.150E+04	4.164E+04	4.174E+04	4.180E+04	4.184E+04
	26150.	4.244E+04	4.354E+04	4.437E+04	4.498E+04	4.541E+04	4.572E+04	4.593E+04	4.608E+04	4.617E+04	4.623E+04	4.627E+04
	30180.	4.672E+04	4.788E+04	4.874E+04	4.937E+04	4.982E+04	5.013E+04	5.034E+04	5.049E+04	5.058E+04	5.064E+04	5.068E+04
	38210.	5.888E+04	6.018E+04	6.112E+04	6.180E+04	6.227E+04	6.260E+04	6.282E+04	6.296E+04	6.306E+04	6.312E+04	6.318E+04
44260.	7.087E+04	7.229E+04	7.331E+04	7.403E+04	7.458E+04	7.486E+04	7.509E+04	7.523E+04	7.533E+04	7.539E+04	7.543E+04	
52300.	8.363E+04	8.518E+04	8.628E+04	8.703E+04	8.755E+04	8.789E+04	8.812E+04	8.827E+04	8.837E+04	8.843E+04	8.847E+04	
60350.	9.629E+04	9.795E+04	9.911E+04	9.990E+04	1.004E+05	1.008E+05	1.010E+05	1.012E+05	1.013E+05	1.013E+05	1.014E+05	
68400.	1.074E+05	1.091E+05	1.104E+05	1.112E+05	1.117E+05	1.121E+05	1.123E+05	1.125E+05	1.126E+05	1.126E+05	1.127E+05	
76440.	1.184E+05	1.202E+05	1.215E+05	1.223E+05	1.229E+05	1.232E+05	1.235E+05	1.236E+05	1.237E+05	1.238E+05	1.238E+05	
84490.	1.282E+05	1.301E+05	1.314E+05	1.323E+05	1.328E+05	1.330E+05	1.332E+05	1.334E+05	1.337E+05	1.338E+05	1.338E+05	
92540.	1.378E+05	1.399E+05	1.412E+05	1.421E+05	1.427E+05	1.430E+05	1.433E+05	1.434E+05	1.435E+05	1.436E+05	1.436E+05	
104600.	1.584E+05	1.585E+05	1.600E+05	1.609E+05	1.615E+05	1.619E+05	1.621E+05	1.623E+05	1.624E+05	1.624E+05	1.625E+05	
124700.	1.829E+05	1.852E+05	1.867E+05	1.877E+05	1.883E+05	1.887E+05	1.889E+05	1.891E+05	1.892E+05	1.892E+05	1.893E+05	
148900.	2.078E+05	2.102E+05	2.118E+05	2.128E+05	2.135E+05	2.139E+05	2.141E+05	2.143E+05	2.144E+05	2.144E+05	2.145E+05	
201200.	2.795E+05	2.824E+05	2.841E+05	2.852E+05	2.859E+05	2.863E+05	2.865E+05	2.867E+05	2.868E+05	2.869E+05	2.869E+05	
281800.	3.385E+05	3.416E+05	3.435E+05	3.446E+05	3.453E+05	3.457E+05	3.459E+05	3.461E+05	3.462E+05	3.462E+05	3.463E+05	
442800.	4.547E+05	4.582E+05	4.603E+05	4.615E+05	4.622E+05	4.626E+05	4.628E+05	4.630E+05	4.631E+05	4.632E+05	4.632E+05	
684000.	5.189E+05	5.225E+05	5.246E+05	5.258E+05	5.265E+05	5.270E+05	5.272E+05	5.274E+05	5.275E+05	5.275E+05	5.276E+05	

TABLE A.8.2. (Continued)

DIST (METERS)	ANGLE FROM CENTER LINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	4.594E+03D	4.604E+03D	4.610E+03C	4.610E+03C	4.614E+03B	4.618E+03B	4.617E+03B	4.617E+03B	4.617E+03B	4.617E+03B	4.617E+03B	4.618E+03B
2012.	8.648E+03B	8.661E+03B	8.668E+03B	8.672E+03B	8.674E+03B	8.675E+03B	8.675E+03B	8.676E+03B	8.676E+03B	8.676E+03B	8.676E+03B	8.678E+03B
2816.	1.162E+04	1.163E+04	1.164E+04	1.164E+04	1.164E+04	1.165E+04	1.165E+04	1.165E+04	1.165E+04	1.165E+04	1.165E+04	1.165E+04
3621.	1.414E+04	1.415E+04	1.416E+04	1.416E+04	1.416E+04	1.417E+04	1.417E+04	1.417E+04	1.417E+04	1.417E+04	1.417E+04	1.417E+04
4426.	1.622E+04	1.624E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04	1.625E+04
5230.	1.802E+04	1.803E+04	1.804E+04	1.804E+04	1.804E+04	1.805E+04	1.805E+04	1.805E+04	1.805E+04	1.805E+04	1.805E+04	1.805E+04
6035.	1.959E+04	1.960E+04	1.961E+04	1.962E+04	1.962E+04	1.962E+04	1.962E+04	1.962E+04	1.962E+04	1.962E+04	1.962E+04	1.962E+04
6840.	2.099E+04	2.100E+04	2.101E+04	2.102E+04	2.102E+04	2.102E+04	2.102E+04	2.102E+04	2.102E+04	2.102E+04	2.102E+04	2.102E+04
7644.	2.225E+04	2.226E+04	2.227E+04	2.227E+04	2.227E+04	2.228E+04	2.228E+04	2.228E+04	2.228E+04	2.228E+04	2.228E+04	2.228E+04
8451.	2.486E+04	2.488E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04	2.489E+04
10460.	2.715E+04	2.716E+04	2.717E+04	2.718E+04	2.718E+04	2.718E+04	2.718E+04	2.718E+04	2.718E+04	2.718E+04	2.718E+04	2.718E+04
12470.	3.013E+04	3.015E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04	3.016E+04
14890.	3.271E+04	3.273E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04	3.274E+04
18110.	3.735E+04	3.736E+04	3.737E+04	3.737E+04	3.737E+04	3.737E+04	3.738E+04	3.738E+04	3.738E+04	3.738E+04	3.738E+04	3.738E+04
22130.	4.186E+04	4.187E+04	4.188E+04	4.189E+04	4.189E+04	4.189E+04	4.189E+04	4.189E+04	4.189E+04	4.189E+04	4.189E+04	4.189E+04
26160.	4.630E+04	4.631E+04	4.632E+04	4.632E+04	4.632E+04	4.632E+04	4.633E+04	4.633E+04	4.633E+04	4.633E+04	4.633E+04	4.633E+04
30180.	5.071E+04	5.072E+04	5.073E+04	5.073E+04	5.073E+04	5.073E+04	5.074E+04	5.074E+04	5.074E+04	5.074E+04	5.074E+04	5.074E+04
36210.	6.318E+04	6.320E+04	6.320E+04	6.321E+04	6.321E+04	6.321E+04	6.321E+04	6.321E+04	6.321E+04	6.321E+04	6.321E+04	6.321E+04
44260.	7.545E+04	7.547E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04	7.548E+04
52300.	8.849E+04	8.851E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04	8.852E+04
60350.	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05	1.014E+05
68400.	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05	1.127E+05
76440.	1.238E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05	1.239E+05
84490.	1.338E+05	1.338E+05	1.338E+05	1.338E+05	1.338E+05	1.338E+05	1.339E+05	1.339E+05	1.339E+05	1.339E+05	1.339E+05	1.339E+05
92540.	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05	1.437E+05
104600.	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05	1.625E+05
124700.	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05	1.893E+05
148900.	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05	2.145E+05
201200.	2.869E+05	2.869E+05	2.869E+05	2.869E+05	2.869E+05	2.869E+05	2.870E+05	2.870E+05	2.870E+05	2.870E+05	2.870E+05	2.870E+05
281600.	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05	3.463E+05
442600.	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05	4.632E+05
684000.	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05	5.276E+05

TABLE A.8.2. (Continued)

[illegible]

TABLE A.9.1. Early Dose for Pasquill C, 4.0 m/sec. Release Term is SST3:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																				
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	3.990E+00C	3.988E+00C	3.982E+00C	3.982E+00C	3.972E+00C	3.968E+00C	3.938E+00C	3.903E+00C	3.863E+00C	3.812E+00C	3.749E+00C	3.672E+00C	3.585E+00C	3.488E+00C	3.382E+00C	3.268E+00C	3.148E+00C	3.022E+00C	2.892E+00C	2.758E+00C	2.622E+00C
1207.	1.474E+00B	1.471E+00B	1.461E+00B	1.445E+00B	1.422E+00B	1.391E+00B	1.354E+00B	1.314E+00B	1.271E+00B	1.226E+00B	1.179E+00B	1.130E+00B	1.079E+00B	1.026E+00B	9.712E+00A	9.138E+00A	8.594E+00A	8.082E+00A	7.592E+00A	7.124E+00A	6.678E+00A
2012.	6.524E-01*	6.501E-01*	6.433E-01*	6.319E-01*	6.160E-01*	5.957E-01*	5.712E-01*	5.438E-01*	5.138E-01*	4.812E-01*	4.472E-01*	4.128E-01*	3.782E-01*	3.438E-01*	3.098E-01*	2.768E-01*	2.448E-01*	2.138E-01*	1.838E-01*	1.548E-01*	1.268E-01*
2816.	3.726E-01	3.709E-01	3.658E-01	3.575E-01	3.459E-01	3.314E-01	3.141E-01	2.943E-01	2.724E-01	2.489E-01	2.241E-01	1.989E-01	1.738E-01	1.489E-01	1.241E-01	9.989E-02	7.589E-02	5.189E-02	2.789E-02	3.989E-03	1.589E-03
3621.	.000E+00	2.404E-01	2.386E-01	2.306E-01	2.220E-01	2.114E-01	1.989E-01	1.847E-01	1.692E-01	1.527E-01	1.357E-01	1.182E-01	1.002E-01	8.172E-02	6.322E-02	4.472E-02	2.622E-02	7.72E-03	1.872E-03	3.972E-04	1.072E-04
4426.	.000E+00	1.691E-01	1.682E-01	1.615E-01	1.550E-01	1.469E-01	1.374E-01	1.267E-01	1.152E-01	1.030E-01	9.054E-02	7.728E-02	6.358E-02	4.948E-02	3.508E-02	2.088E-02	6.488E-03	1.988E-03	4.288E-04	9.688E-05	2.188E-05
5230.	.000E+00	1.257E-01	1.234E-01	1.197E-01	1.145E-01	1.082E-01	1.007E-01	9.242E-02	8.346E-02	7.409E-02	6.458E-02	5.498E-02	4.538E-02	3.578E-02	2.618E-02	1.658E-02	7.18E-03	2.48E-03	5.78E-04	1.28E-04	2.98E-05
6035.	.000E+00	9.734E-02	9.547E-02	9.240E-02	8.822E-02	8.305E-02	7.704E-02	7.035E-02	6.325E-02	5.574E-02	4.784E-02	3.954E-02	3.084E-02	2.214E-02	1.344E-02	5.14E-03	1.84E-03	5.44E-04	1.24E-04	2.84E-05	6.44E-06
6840.	.000E+00	7.752E-02	7.597E-02	7.342E-02	6.977E-02	6.570E-02	6.076E-02	5.527E-02	4.938E-02	4.308E-02	3.638E-02	2.928E-02	2.178E-02	1.428E-02	7.18E-03	2.88E-03	8.68E-04	2.48E-04	5.68E-05	1.28E-05	2.88E-06
7644.	.000E+00	6.324E-02	6.192E-02	5.978E-02	5.688E-02	5.327E-02	4.912E-02	4.453E-02	3.948E-02	3.398E-02	2.808E-02	2.178E-02	1.508E-02	8.78E-03	3.08E-03	8.68E-04	2.48E-04	5.68E-05	1.28E-05	2.88E-06	6.48E-07
8449.	.000E+00	4.858E-02	4.751E-02	4.580E-02	4.348E-02	4.063E-02	3.734E-02	3.359E-02	2.938E-02	2.472E-02	1.962E-02	1.412E-02	8.72E-03	3.42E-03	8.62E-04	2.42E-04	5.62E-05	1.22E-05	2.82E-06	6.42E-07	1.42E-07
9254.	.000E+00	3.660E-02	3.577E-02	3.441E-02	3.257E-02	3.032E-02	2.773E-02	2.491E-02	2.193E-02	1.861E-02	1.511E-02	1.151E-02	7.81E-03	4.11E-03	1.41E-03	4.01E-04	1.10E-04	3.00E-05	7.00E-06	1.60E-06	3.60E-07
10059.	.000E+00	2.998E-02	2.932E-02	2.832E-02	2.688E-02	2.505E-02	2.289E-02	2.039E-02	1.757E-02	1.457E-02	1.147E-02	8.27E-03	5.07E-03	1.87E-03	5.17E-04	1.47E-04	4.07E-05	9.07E-06	2.07E-06	4.67E-07	1.07E-07
10864.	.000E+00	1.967E-02	1.918E-02	1.839E-02	1.732E-02	1.602E-02	1.454E-02	1.293E-02	1.126E-02	9.577E-03	7.947E-03	6.317E-03	4.687E-03	3.057E-03	1.427E-03	4.02E-04	1.10E-04	3.00E-05	7.00E-06	1.60E-06	3.60E-07
11669.	.000E+00	1.431E-02	1.393E-02	1.329E-02	1.250E-02	1.150E-02	1.037E-02	9.169E-03	7.961E-03	6.753E-03	5.545E-03	4.337E-03	3.129E-03	1.921E-03	7.01E-04	1.91E-04	5.01E-05	1.10E-05	2.50E-06	5.90E-07	1.30E-07
12474.	.000E+00	1.163E-02	1.133E-02	1.079E-02	1.001E-02	9.134E-03	8.152E-03	7.170E-03	6.188E-03	5.206E-03	4.224E-03	3.242E-03	2.260E-03	1.278E-03	4.68E-04	1.28E-04	3.38E-05	7.78E-06	1.78E-06	4.18E-07	9.58E-08
13279.	.000E+00	9.745E-03	9.449E-03	8.949E-03	8.341E-03	7.584E-03	6.740E-03	5.846E-03	4.944E-03	4.042E-03	3.140E-03	2.238E-03	1.336E-03	4.26E-04	1.16E-04	3.06E-05	7.06E-06	1.60E-06	3.60E-07	8.00E-08	1.80E-08
14084.	.000E+00	8.351E-03	8.089E-03	7.688E-03	7.110E-03	6.445E-03	5.704E-03	4.958E-03	4.218E-03	3.472E-03	2.726E-03	1.980E-03	1.234E-03	5.84E-04	1.54E-04	3.94E-05	9.04E-06	2.10E-06	4.90E-07	1.10E-07	2.50E-08
14889.	.000E+00	6.827E-03	6.605E-03	6.205E-03	5.778E-03	5.206E-03	4.598E-03	3.948E-03	3.298E-03	2.648E-03	2.048E-03	1.448E-03	8.48E-04	2.48E-04	6.48E-05	1.48E-05	3.38E-06	7.78E-07	1.78E-07	4.18E-08	9.58E-09
15694.	.000E+00	5.437E-03	5.263E-03	4.958E-03	4.598E-03	4.188E-03	3.738E-03	3.248E-03	2.758E-03	2.268E-03	1.778E-03	1.288E-03	8.38E-04	2.48E-04	6.48E-05	1.48E-05	3.38E-06	7.78E-07	1.78E-07	4.18E-08	9.58E-09
16499.	.000E+00	4.475E-03	4.319E-03	4.019E-03	3.738E-03	3.328E-03	2.878E-03	2.428E-03	2.048E-03	1.678E-03	1.308E-03	9.38E-04	5.68E-04	1.48E-04	3.94E-05	9.04E-06	2.10E-06	4.90E-07	1.10E-07	2.50E-08	5.90E-09
17304.	.000E+00	3.771E-03	3.635E-03	3.335E-03	3.019E-03	2.648E-03	2.238E-03	1.798E-03	1.348E-03	9.08E-04	4.68E-04	2.28E-04	8.88E-05	2.48E-05	6.48E-06	1.48E-06	3.38E-07	7.78E-08	1.78E-08	4.18E-09	9.58E-10
18109.	.000E+00	3.236E-03	3.116E-03	2.711E-03	2.541E-03	2.238E-03	1.808E-03	1.348E-03	9.08E-04	4.68E-04	2.28E-04	8.88E-05	2.48E-05	6.48E-06	1.48E-06	3.38E-07	7.78E-08	1.78E-08	4.18E-09	9.58E-10	2.18E-10
18914.	.000E+00	2.818E-03	2.711E-03	2.386E-03	2.238E-03	1.981E-03	1.679E-03	1.341E-03	1.001E-03	6.61E-04	3.21E-04	1.51E-04	6.81E-05	2.91E-05	1.21E-05	5.1E-06	2.1E-06	8.6E-07	3.6E-07	1.5E-07	6.4E-08
19719.	.000E+00	2.482E-03	2.386E-03	2.119E-03	1.981E-03	1.808E-03	1.590E-03	1.363E-03	1.132E-03	9.08E-04	6.83E-04	4.58E-04	2.33E-04	1.08E-04	4.68E-05	1.98E-05	8.68E-06	3.78E-06	1.68E-06	7.28E-07	3.18E-07
20524.	.000E+00	2.206E-03	2.119E-03	1.875E-03	1.799E-03	1.679E-03	1.500E-03	1.274E-03	1.048E-03	8.23E-04	6.08E-04	3.93E-04	1.78E-04	7.68E-05	3.38E-05	1.48E-05	6.38E-06	2.78E-06	1.18E-06	5.18E-07	2.28E-07
21329.	.000E+00	1.875E-03	1.799E-03	1.615E-03	1.550E-03	1.469E-03	1.374E-03	1.267E-03	1.152E-03	1.030E-03	9.054E-04	7.728E-04	6.358E-04	4.948E-04	3.508E-04	2.088E-04	6.488E-05	1.988E-05	4.288E-06	9.688E-07	2.188E-07
22134.	.000E+00	1.475E-03	1.414E-03	1.234E-03	1.197E-03	1.145E-03	1.082E-03	1.007E-03	9.242E-04	8.346E-04	7.409E-04	6.458E-04	5.498E-04	4.538E-04	3.578E-04	2.618E-04	1.658E-04	7.18E-05	1.87E-05	4.27E-06	9.67E-07
22939.	.000E+00	1.150E-03	1.101E-03	1.023E-03	9.214E-04	8.044E-04	6.798E-04	5.548E-04	4.302E-04	3.056E-04	1.810E-04	9.85E-05	4.65E-05	1.45E-05	4.45E-06	1.35E-06	4.05E-07	1.25E-07	3.65E-08	1.05E-08	2.45E-09
23744.	.000E+00	7.278E-04	6.950E-04	6.433E-04	5.767E-04	4.957E-04	4.007E-04	3.057E-04	2.107E-04	1.157E-04	6.62E-05	3.67E-05	1.72E-05	7.72E-06	3.77E-06	1.72E-06	7.72E-07	3.77E-07	1.72E-07	7.72E-08	3.77E-08
24549.	.000E+00	4.199E-04	3.999E-04	3.685E-04	3.282E-04	2.822E-04	2.339E-04	1.865E-04	1.427E-04	1.044E-04	7.292E-05	4.442E-05	2.653E-05	1.549E-05	8.642E-06	4.842E-06	2.642E-06	1.442E-06	7.842E-07	4.242E-07	2.242E-07
25354.	.000E+00	1.712E-04	1.628E-04	1.491E-04	1.319E-04	1.124E-04	9.213E-05	7.240E-05	5.442E-05	3.899E-05	2.653E-05	1.784E-05	1.249E-05	8.267E-06	5.267E-06	3.267E-06	1.967E-06	1.167E-06	6.867E-07	3.867E-07	2.067E-07
26159.	.000E+00	6.019E-05	5.701E-05	5.204E-05	4.573E-05	3.861E-05	3.149E-05	2.437E-05	1.725E-05	1.013E-05	4.42E-06	1.70E-06	6.90E-07	2.80E-07	1.10E-07	4.40E-08	1.70E-08	6.90E-09	2.80E-09	1.10E-09	4.40E-10
26964.	.000E+00	3.988E+00C	3.982E+00C	3.982E+00C	3.972E+00C	3.968E+00C	3.938E+00C	3.903E+00C	3.863E+00C	3.812E+00C	3.749E+00C	3.672E+00C	3.585E+00C	3.488E+00C	3.382E+00C	3.268E+00C	3.148E+00C	3.022E+00C	2.892E+00C	2.758E+00C	2.622E+00C

TABLE A.9.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		3.579E+00	3.470E+00	3.345E+00	3.202E+00	3.043E+00	2.868E+00	2.679E+00	2.478E+00	2.268E+00	2.051E+00	1.831E+00
1207.		1.059E+00	9.809E-01	8.981E-01	8.119E-01	7.237E-01	6.352E-01	5.480E-01	4.639E-01	3.846E-01	3.115E-01	2.459E-01
2012.		3.960E-01	3.540E-01	3.115E-01	2.694E-01	2.284E-01	1.895E-01	1.535E-01	1.210E-01	9.262E-02	6.865E-02	4.865E-02
2816.		1.987E-01	1.731E-01	1.480E-01	1.240E-01	1.016E-01	8.100E-02	6.284E-02	4.722E-02	3.426E-02	2.388E-02	1.591E-02
3621.		1.184E-01	1.014E-01	8.506E-02	6.972E-02	5.570E-02	4.326E-02	3.268E-02	2.368E-02	1.652E-02	1.123E-02	7.358E-03
4426.		7.810E-02	6.599E-02	5.451E-02	4.393E-02	3.444E-02	2.618E-02	1.924E-02	1.376E-02	9.543E-03	6.289E-03	3.913E-03
5230.		5.517E-02	4.611E-02	3.763E-02	2.991E-02	2.308E-02	1.725E-02	1.284E-02	8.894E-03	5.972E-03	3.802E-03	2.278E-03
6035.		4.088E-02	3.366E-02	2.735E-02	2.150E-02	1.640E-02	1.225E-02	8.801E-03	6.054E-03	3.965E-03	2.456E-03	1.427E-03
6840.		2.479E-02	2.023E-02	1.608E-02	1.249E-02	9.406E-03	6.827E-03	4.753E-03	3.158E-03	1.993E-03	1.202E-03	6.766E-04
7644.		1.834E-02	1.484E-02	1.168E-02	8.909E-03	6.587E-03	4.709E-03	3.238E-03	2.121E-03	1.314E-03	7.680E-04	4.212E-04
8851.		1.310E-02	1.048E-02	8.145E-03	6.125E-03	4.443E-03	3.096E-03	2.094E-03	1.348E-03	8.180E-04	4.646E-04	2.447E-04
10460.		9.232E-03	7.315E-03	5.620E-03	4.172E-03	2.982E-03	2.043E-03	1.346E-03	8.457E-04	4.998E-04	2.755E-04	1.402E-04
14890.		6.419E-03	5.034E-03	3.822E-03	2.800E-03	1.972E-03	1.329E-03	8.584E-04	5.286E-04	3.051E-04	1.636E-04	8.065E-05
18110.		4.357E-03	3.368E-03	2.516E-03	1.811E-03	1.250E-03	8.234E-04	5.151E-04	3.082E-04	1.736E-04	9.054E-05	4.322E-05
22130.		3.159E-03	2.390E-03	1.743E-03	1.222E-03	8.198E-04	5.237E-04	3.168E-04	1.825E-04	9.937E-05	4.989E-05	2.282E-05
26150.		2.518E-03	1.884E-03	1.358E-03	9.369E-04	6.203E-04	3.895E-04	2.323E-04	1.299E-04	6.748E-05	3.224E-05	1.400E-05
30180.		2.063E-03	1.530E-03	1.091E-03	7.458E-04	4.865E-04	3.024E-04	1.772E-04	9.710E-05	4.933E-05	2.299E-05	9.707E-06
36210.		1.600E-03	1.172E-03	8.249E-04	5.554E-04	3.591E-04	2.182E-04	1.296E-04	6.624E-05	3.281E-05	1.485E-05	6.068E-06
44260.		1.198E-03	8.662E-04	6.004E-04	3.973E-04	2.497E-04	1.483E-04	8.260E-05	4.295E-05	2.064E-05	9.029E-06	3.544E-06
52300.		9.337E-04	6.871E-04	4.583E-04	2.974E-04	1.899E-04	1.071E-04	5.877E-05	2.992E-05	1.398E-05	6.922E-06	2.243E-06
60350.		7.497E-04	5.304E-04	3.589E-04	2.311E-04	1.409E-04	8.126E-05	4.373E-05	2.177E-05	9.923E-06	4.090E-06	1.502E-06
68400.		6.156E-04	4.314E-04	2.888E-04	1.838E-04	1.111E-04	6.310E-05	3.340E-05	1.633E-05	7.303E-06	2.948E-06	1.060E-06
76440.		5.155E-04	3.582E-04	2.374E-04	1.498E-04	8.949E-05	5.010E-05	2.611E-05	1.255E-05	5.503E-06	2.183E-06	7.668E-07
84490.		4.388E-04	3.026E-04	1.992E-04	1.247E-04	7.355E-05	4.063E-05	2.085E-05	9.861E-06	4.261E-06	1.655E-06	5.679E-07
92540.		3.773E-04	2.588E-04	1.692E-04	1.050E-04	6.132E-05	3.352E-05	1.700E-05	7.951E-06	3.377E-06	1.284E-06	4.306E-07
104600.		3.076E-04	2.088E-04	1.348E-04	8.244E-05	4.759E-05	2.586E-05	1.282E-05	6.877E-06	2.449E-06	9.118E-07	2.984E-07
124700.		2.282E-04	1.529E-04	9.721E-05	5.838E-05	3.290E-05	1.726E-05	8.413E-06	3.756E-06	1.514E-06	5.435E-07	1.707E-07
148900.		1.663E-04	1.098E-04	6.871E-05	4.062E-05	2.237E-05	1.149E-05	5.452E-06	2.368E-06	9.243E-07	3.196E-07	9.613E-08
201200.		9.514E-05	6.138E-05	3.739E-05	2.138E-05	1.140E-05	5.620E-06	2.539E-06	1.040E-06	3.810E-07	1.230E-07	3.436E-08
281600.		4.836E-05	3.031E-05	1.786E-05	9.838E-06	5.021E-06	2.357E-06	1.006E-06	3.865E-07	1.316E-07	3.904E-08	.000E+00
442600.		1.706E-05	1.032E-05	5.832E-06	3.059E-06	1.477E-06	6.500E-07	2.579E-07	9.108E-08	2.818E-08	.000E+00	.000E+00
684000.		5.145E-06	2.994E-06	1.617E-06	8.051E-07	3.658E-07	1.501E-07	5.498E-08	1.771E-08	.000E+00	.000E+00	.000E+00

TABLE A.9.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)											
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
-	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	604.	1.612E+00	1.398E+00	1.192E+00	9.981E-01	8.189E-01	6.571E-01	5.144E-01	3.919E-01	2.896E-01	2.068E-01	1.422E-01	
	1207.	1.885E-01	1.400E-01	1.002E-01	6.886E-02	4.518E-02	2.812E-02	1.647E-02	9.005E-03	4.542E-03	2.374E-03	1.062E-03	
	2012.	3.336E-02	2.171E-02	1.337E-02	7.729E-03	4.168E-03	2.142E-03	1.040E-03	4.400E-04	1.588E-04	4.757E-05	1.140E-05	
o	2816.	1.007E-02	6.305E-03	3.700E-03	1.990E-03	9.683E-04	4.195E-04	1.586E-04	5.106E-05	1.368E-05	2.851E-06	4.508E-07	
	3621.	4.631E-03	2.600E-03	1.375E-03	6.625E-04	2.862E-04	1.088E-04	3.652E-05	1.025E-05	2.330E-06	3.933E-07	4.611E-08	
	4426.	2.280E-03	1.232E-03	6.105E-04	2.735E-04	1.123E-04	4.009E-05	1.197E-05	2.890E-06	5.394E-07	7.351E-08	.000E+00	
	5230.	1.274E-03	6.578E-04	3.183E-04	1.378E-04	5.226E-05	1.695E-05	4.584E-06	9.953E-07	1.678E-07	1.973E-08	.000E+00	
	6035.	7.824E-04	3.973E-04	1.823E-04	7.441E-05	2.648E-05	8.114E-06	2.087E-06	4.108E-07	6.042E-08	.000E+00	.000E+00	
	6840.	5.157E-04	2.518E-04	1.106E-04	4.324E-05	1.495E-05	4.327E-06	1.014E-06	1.844E-07	2.515E-08	.000E+00	.000E+00	
	7644.	3.518E-04	1.687E-04	7.178E-05	2.734E-05	8.935E-06	2.435E-06	5.440E-07	9.327E-08	1.145E-08	.000E+00	.000E+00	
	8651.	2.123E-04	9.701E-05	4.001E-05	1.457E-05	4.524E-06	1.165E-06	2.409E-07	3.734E-08	.000E+00	.000E+00	.000E+00	
	10460.	1.191E-04	5.274E-05	2.071E-05	7.108E-06	2.074E-06	4.936E-07	9.336E-08	1.317E-08	.000E+00	.000E+00	.000E+00	
	12470.	6.508E-05	2.765E-05	1.036E-05	3.352E-06	9.090E-07	2.025E-07	3.478E-08	.000E+00	.000E+00	.000E+00	.000E+00	
	14890.	3.610E-05	1.453E-05	5.187E-06	1.580E-06	3.993E-07	8.125E-08	1.279E-08	.000E+00	.000E+00	.000E+00	.000E+00	
	18110.	1.863E-05	7.142E-06	2.416E-06	6.938E-07	1.633E-07	3.032E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	22130.	9.377E-06	3.403E-06	1.073E-06	2.909E-07	6.392E-08	1.094E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	26150.	5.439E-06	1.859E-06	5.638E-07	1.427E-07	2.908E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	30180.	3.866E-06	1.212E-06	3.422E-07	8.013E-08	1.503E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	36210.	2.203E-06	6.961E-07	1.865E-07	4.111E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	44260.	1.228E-06	3.682E-07	9.323E-08	1.927E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	52300.	7.466E-07	2.138E-07	5.149E-08	1.003E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	60360.	4.847E-07	1.339E-07	3.076E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	68400.	3.318E-07	8.838E-08	1.949E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	76440.	2.341E-07	6.073E-08	1.299E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	84490.	1.690E-07	4.268E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	92540.	1.254E-07	3.081E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	104600.	8.410E-08	1.988E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	124700.	4.612E-08	1.040E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	148900.	2.462E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	

TABLE A.9.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)													
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0			
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
9.381E-02	5.870E-02	5.870E-02	3.482E-02	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
1207.	4.006E-04	1.242E-04	3.054E-05	6.672E-06	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
2012.	2.085E-06	2.731E-07	2.356E-08	6.329E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
2816.	5.349E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
3621.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
4426.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
5230.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
6035.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
6840.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
7644.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
8651.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
10460.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
12470.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
14890.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
18110.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
22130.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
442800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			

TABLE A.9.2. Early Dose for Pasquill C, 4.0 m/sec, Release Term is SST3:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0 20.0										
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
604.	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C	0.000E+00C
1207.	1.371E+00B	4.106E+00B	6.823E+00B	9.509E+00B	1.215E+01B	1.474E+01B	1.725E+01B	1.969E+01B	2.203E+01B	2.425E+01B	2.636E+01B	2.836E+01B
2012.	2.767E+00*	8.284E+00*	1.375E+01*	1.914E+01*	2.442E+01*	2.958E+01*	3.452E+01*	3.928E+01*	4.380E+01*	4.806E+01	5.203E+01	5.578E+01
2816.	3.879E+00	1.161E+01	1.927E+01	2.679E+01	3.414E+01	4.125E+01	4.809E+01	5.460E+01	6.075E+01	6.649E+01	7.180E+01	7.680E+01
3621.	3.879E+00	1.368E+01	2.317E+01	3.259E+01	4.175E+01	5.060E+01	5.839E+01	6.709E+01	7.463E+01	8.162E+01	8.804E+01	9.404E+01
4426.	3.879E+00	1.527E+01	2.651E+01	3.754E+01	4.824E+01	5.855E+01	6.854E+01	7.768E+01	8.638E+01	9.438E+01	1.017E+02	1.084E+02
5230.	3.879E+00	1.675E+01	2.946E+01	4.189E+01	5.395E+01	6.564E+01	7.688E+01	8.694E+01	9.661E+01	1.055E+02	1.136E+02	1.211E+02
6036.	3.879E+00	1.807E+01	3.208E+01	4.577E+01	5.903E+01	7.175E+01	8.382E+01	9.518E+01	1.057E+02	1.153E+02	1.241E+02	1.321E+02
6840.	3.879E+00	1.927E+01	3.445E+01	4.928E+01	6.362E+01	7.735E+01	9.038E+01	1.026E+02	1.138E+02	1.242E+02	1.335E+02	1.420E+02
7644.	3.879E+00	2.036E+01	3.680E+01	5.246E+01	6.778E+01	8.243E+01	9.628E+01	1.092E+02	1.207E+02	1.312E+02	1.405E+02	1.495E+02
8448.	3.879E+00	2.145E+01	3.915E+01	5.581E+01	7.197E+01	8.754E+01	1.025E+02	1.167E+02	1.293E+02	1.405E+02	1.505E+02	1.595E+02
9252.	3.879E+00	2.254E+01	4.124E+01	5.790E+01	7.403E+01	8.960E+01	1.038E+02	1.170E+02	1.287E+02	1.395E+02	1.495E+02	1.585E+02
10056.	3.879E+00	2.363E+01	4.233E+01	5.900E+01	7.512E+01	9.069E+01	1.049E+02	1.171E+02	1.282E+02	1.385E+02	1.485E+02	1.575E+02
10860.	3.879E+00	2.472E+01	4.342E+01	6.010E+01	7.621E+01	9.178E+01	1.060E+02	1.182E+02	1.297E+02	1.402E+02	1.502E+02	1.592E+02
11664.	3.879E+00	2.581E+01	4.451E+01	6.120E+01	7.730E+01	9.287E+01	1.071E+02	1.194E+02	1.302E+02	1.408E+02	1.508E+02	1.598E+02
12468.	3.879E+00	2.690E+01	4.560E+01	6.230E+01	7.839E+01	9.396E+01	1.082E+02	1.206E+02	1.317E+02	1.425E+02	1.525E+02	1.615E+02
13272.	3.879E+00	2.799E+01	4.669E+01	6.340E+01	7.948E+01	9.505E+01	1.093E+02	1.218E+02	1.332E+02	1.442E+02	1.542E+02	1.632E+02
14076.	3.879E+00	2.908E+01	4.778E+01	6.450E+01	8.057E+01	9.614E+01	1.104E+02	1.230E+02	1.347E+02	1.459E+02	1.560E+02	1.650E+02
14880.	3.879E+00	3.017E+01	4.887E+01	6.560E+01	8.166E+01	9.723E+01	1.115E+02	1.243E+02	1.364E+02	1.478E+02	1.580E+02	1.670E+02
15684.	3.879E+00	3.126E+01	4.996E+01	6.670E+01	8.275E+01	9.832E+01	1.126E+02	1.256E+02	1.380E+02	1.496E+02	1.600E+02	1.690E+02
16488.	3.879E+00	3.235E+01	5.105E+01	6.780E+01	8.384E+01	9.941E+01	1.137E+02	1.269E+02	1.396E+02	1.514E+02	1.620E+02	1.710E+02
17292.	3.879E+00	3.344E+01	5.214E+01	6.890E+01	8.493E+01	1.005E+02	1.148E+02	1.282E+02	1.412E+02	1.532E+02	1.640E+02	1.730E+02
18096.	3.879E+00	3.453E+01	5.323E+01	7.000E+01	8.602E+01	1.016E+02	1.159E+02	1.295E+02	1.428E+02	1.550E+02	1.660E+02	1.750E+02
18900.	3.879E+00	3.562E+01	5.432E+01	7.110E+01	8.711E+01	1.027E+02	1.170E+02	1.308E+02	1.444E+02	1.568E+02	1.680E+02	1.770E+02
19704.	3.879E+00	3.671E+01	5.541E+01	7.220E+01	8.820E+01	1.038E+02	1.181E+02	1.322E+02	1.460E+02	1.586E+02	1.700E+02	1.790E+02
20508.	3.879E+00	3.780E+01	5.650E+01	7.330E+01	8.930E+01	1.049E+02	1.192E+02	1.336E+02	1.476E+02	1.604E+02	1.720E+02	1.810E+02
21312.	3.879E+00	3.889E+01	5.759E+01	7.440E+01	9.040E+01	1.060E+02	1.203E+02	1.350E+02	1.498E+02	1.628E+02	1.746E+02	1.836E+02
22116.	3.879E+00	3.998E+01	5.868E+01	7.550E+01	9.150E+01	1.071E+02	1.214E+02	1.364E+02	1.514E+02	1.646E+02	1.766E+02	1.856E+02
22920.	3.879E+00	4.107E+01	5.977E+01	7.660E+01	9.260E+01	1.082E+02	1.225E+02	1.378E+02	1.530E+02	1.664E+02	1.786E+02	1.876E+02
23724.	3.879E+00	4.216E+01	6.086E+01	7.770E+01	9.370E+01	1.093E+02	1.236E+02	1.392E+02	1.546E+02	1.682E+02	1.806E+02	1.896E+02
24528.	3.879E+00	4.325E+01	6.195E+01	7.880E+01	9.480E+01	1.104E+02	1.247E+02	1.406E+02	1.560E+02	1.698E+02	1.824E+02	1.914E+02
25332.	3.879E+00	4.434E+01	6.304E+01	7.990E+01	9.590E+01	1.115E+02	1.258E+02	1.418E+02	1.574E+02	1.714E+02	1.842E+02	1.932E+02
26136.	3.879E+00	4.543E+01	6.413E+01	8.100E+01	9.700E+01	1.126E+02	1.269E+02	1.431E+02	1.588E+02	1.730E+02	1.860E+02	1.950E+02
26940.	3.879E+00	4.652E+01	6.522E+01	8.210E+01	9.810E+01	1.137E+02	1.280E+02	1.444E+02	1.602E+02	1.746E+02	1.878E+02	1.968E+02
27744.	3.879E+00	4.761E+01	6.631E+01	8.320E+01	9.920E+01	1.148E+02	1.291E+02	1.457E+02	1.616E+02	1.762E+02	1.896E+02	1.986E+02
28548.	3.879E+00	4.870E+01	6.740E+01	8.430E+01	1.003E+02	1.159E+02	1.302E+02	1.470E+02	1.632E+02	1.780E+02	1.916E+02	2.006E+02
29352.	3.879E+00	4.979E+01	6.849E+01	8.540E+01	1.014E+02	1.170E+02	1.313E+02	1.483E+02	1.646E+02	1.796E+02	1.934E+02	2.026E+02
30156.	3.879E+00	5.088E+01	6.958E+01	8.650E+01	1.025E+02	1.181E+02	1.324E+02	1.496E+02	1.660E+02	1.812E+02	1.952E+02	2.046E+02
30960.	3.879E+00	5.197E+01	7.067E+01	8.760E+01	1.036E+02	1.192E+02	1.335E+02	1.509E+02	1.674E+02	1.828E+02	1.970E+02	2.066E+02
31764.	3.879E+00	5.306E+01	7.176E+01	8.870E+01	1.047E+02	1.203E+02	1.346E+02	1.516E+02	1.688E+02	1.844E+02	1.988E+02	2.086E+02
32568.	3.879E+00	5.415E+01	7.285E+01	8.980E+01	1.058E+02	1.214E+02	1.357E+02	1.527E+02	1.702E+02	1.860E+02	2.006E+02	2.106E+02
33372.	3.879E+00	5.524E+01	7.394E+01	9.090E+01	1.069E+02	1.225E+02	1.368E+02	1.538E+02	1.716E+02	1.876E+02	2.020E+02	2.126E+02
34176.	3.879E+00	5.633E+01	7.503E+01	9.200E+01	1.080E+02	1.236E+02	1.379E+02	1.549E+02	1.730E+02	1.892E+02	2.040E+02	2.146E+02
34980.	3.879E+00	5.742E+01	7.612E+01	9.310E+01	1.091E+02	1.247E+02	1.390E+02	1.560E+02	1.744E+02	1.908E+02	2.060E+02	2.166E+02
35784.	3.879E+00	5.851E+01	7.721E+01	9.420E+01	1.102E+02	1.258E+02	1.401E+02	1.571E+02	1.758E+02	1.924E+02	2.080E+02	2.186E+02
36588.	3.879E+00	5.960E+01	7.830E+01	9.530E+01	1.113E+02	1.269E+02	1.412E+02	1.582E+02	1.772E+02	1.940E+02	2.100E+02	2.206E+02
37392.	3.879E+00	6.069E+01	7.939E+01	9.640E+01	1.124E+02	1.280E+02	1.423E+02	1.593E+02	1.786E+02	1.956E+02	2.120E+02	2.236E+02
38196.	3.879E+00	6.178E+01	8.048E+01	9.750E+01	1.135E+02	1.291E+02	1.434E+02	1.604E+02	1.802E+02	1.978E+02	2.140E+02	2.266E+02
39000.	3.879E+00	6.287E+01	8.157E+01	9.860E+01	1.146E+02	1.302E+02	1.445E+02	1.615E+02	1.816E+02	1.994E+02	2.160E+02	2.296E+02
39804.	3.879E+00	6.396E+01	8.266E+01	9.970E+01	1.157E+02	1.313E+02	1.456E+02	1.626E+02	1.830E+02	2.010E+02	2.180E+02	2.326E+02
40608.	3.879E+00	6.505E+01	8.375E+01	1.008E+02	1.168E+02	1.324E+02	1.467E+02	1.637E+02	1.844E+02	2.030E+02	2.200E+02	2.356E+02
41412.	3.879E+00	6.614E+01	8.484E+01	1.019E+02	1.179E+02	1.335E+02	1.478E+02	1.648E+02	1.860E+02	2.050E+02	2.220E+02	2.386E+02
42216.	3.879E+00	6.723E+01	8.593E+01	1.030E+02	1.190E+02	1.346E+02	1.489E+02	1.659E+02	1.874E+02	2.070E+02	2.240E+02	2.416E+02
43020.	3.879E+00	6.832E+01	8.702E+01	1.041E+02	1.201E+02	1.357E+02	1.500E+02	1.670E+02	1.890E+02	2.090E+02	2.260E+02	2.446E+02
43824.	3.879E+00	6.941E+01	8.811E+01	1.052E+02	1.212E+02	1.368E+02	1.511E+02	1.681E+02	1.904E+02	2.110E+02	2.280E+02	2.476E+02
44628.	3.879E+00	7.050E+01	8.920E+01	1.063E+02	1.223E+02	1.379E+02	1.522E+02	1.692E+02	1.918E+02	2.130E+02	2.300E+02	2.506E+02
45432.	3.879E+00	7.159E+01	9.029E+01	1.074E+02	1.234E+02	1.390E+02	1.533E+02	1.703E+02	1.934E+02	2.150E+02	2.320E+02	2.536E+02
46236.	3.879E+00	7.268E+01	9.138E+01	1.085E+02	1.245E+02	1.401E+02	1.544E+02	1.714E+02	1.950E+02	2.170E+02	2.340E+02	2.566E+02
47040.	3.879E+00	7.377E+01	9.247E+01	1.096E+02	1.256E+02	1.412E+02	1.555E+02	1.725E+02	1.966E+02	2.190E+02	2.360E+02	2.596E+02
47844.	3.879E+00	7.486E+01	9.356E+01	1.107E+02	1.267E+02	1.423E+02	1.566E+02	1.736E+02	1.982E+02	2.210E+02	2.380E+02	2.626E+02
48648.	3.879E+00	7.595E+01	9.465E+01	1.118E+02	1.278E+02	1.434E+02	1.577E+02	1.747E+02	2.000E+02	2.230E+02	2.400E+02	2.656E+02
49452.	3.879E+00	7.704E+01	9.574E+01	1.129E+02	1.289E+02	1.445E+02	1.588E+02	1.758E+02	2.016E+02	2.250E+02	2.420E+02	2.686E+02
50256.	3.879E+00	7.813E+01	9.683E+01	1.140E+02	1.300E+02	1.456E+02	1.599E+02	1.769E+02	2.032E+02	2.270E+02	2.440E+02	2.716E+02
51060.	3.879E+00	7.922E+01	9.792E+01	1.151E+02	1.311E+02	1.467E+02	1.610E+02	1.780E+02	2.048E+02	2.290E+02	2.460E+02	2.746E+02
51864.	3.879E+00	8.031E+01	9.901E+01	1.162E+02								

TABLE A.9.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)									
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0 42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C
1207.	2.832E+01B	3.015E+01*	3.182E+01*	3.333E+01*	3.467E+01*	3.585E+01*	3.687E+01*	3.773E+01	3.845E+01	3.903E+01
2012.	5.689E+01	5.903E+01	6.203E+01	6.469E+01	6.702E+01	6.901E+01	7.068E+01	7.206E+01	7.318E+01	7.405E+01
2816.	7.685E+01	8.103E+01	8.491E+01	8.832E+01	9.124E+01	9.372E+01	9.577E+01	9.743E+01	9.875E+01	9.976E+01
3621.	9.388E+01	9.907E+01	1.037E+02	1.076E+02	1.110E+02	1.138E+02	1.162E+02	1.180E+02	1.195E+02	1.206E+02
4426.	1.083E+02	1.142E+02	1.193E+02	1.237E+02	1.274E+02	1.305E+02	1.330E+02	1.350E+02	1.366E+02	1.377E+02
5230.	1.208E+02	1.272E+02	1.328E+02	1.376E+02	1.416E+02	1.449E+02	1.475E+02	1.496E+02	1.513E+02	1.526E+02
6035.	1.319E+02	1.388E+02	1.447E+02	1.498E+02	1.540E+02	1.574E+02	1.602E+02	1.624E+02	1.641E+02	1.653E+02
6840.	1.418E+02	1.490E+02	1.553E+02	1.606E+02	1.650E+02	1.686E+02	1.715E+02	1.737E+02	1.755E+02	1.767E+02
7644.	1.507E+02	1.583E+02	1.648E+02	1.704E+02	1.749E+02	1.786E+02	1.816E+02	1.839E+02	1.857E+02	1.869E+02
8451.	1.693E+02	1.776E+02	1.847E+02	1.908E+02	1.955E+02	1.994E+02	2.026E+02	2.050E+02	2.068E+02	2.081E+02
10460.	1.868E+02	1.945E+02	2.020E+02	2.083E+02	2.134E+02	2.175E+02	2.208E+02	2.232E+02	2.251E+02	2.264E+02
12470.	2.068E+02	2.145E+02	2.246E+02	2.312E+02	2.368E+02	2.410E+02	2.443E+02	2.469E+02	2.488E+02	2.502E+02
14890.	2.251E+02	2.354E+02	2.439E+02	2.510E+02	2.568E+02	2.611E+02	2.648E+02	2.672E+02	2.691E+02	2.706E+02
18110.	2.580E+02	2.692E+02	2.785E+02	2.861E+02	2.921E+02	2.969E+02	3.005E+02	3.032E+02	3.052E+02	3.068E+02
22130.	2.897E+02	3.016E+02	3.118E+02	3.198E+02	3.261E+02	3.310E+02	3.348E+02	3.376E+02	3.396E+02	3.410E+02
26150.	3.208E+02	3.335E+02	3.441E+02	3.525E+02	3.591E+02	3.642E+02	3.680E+02	3.709E+02	3.729E+02	3.744E+02
30180.	3.511E+02	3.648E+02	3.759E+02	3.847E+02	3.916E+02	3.968E+02	4.007E+02	4.036E+02	4.057E+02	4.072E+02
36210.	4.364E+02	4.521E+02	4.647E+02	4.745E+02	4.819E+02	4.878E+02	4.917E+02	4.947E+02	4.968E+02	4.983E+02
44260.	5.190E+02	5.366E+02	5.504E+02	5.611E+02	5.691E+02	5.750E+02	5.793E+02	5.824E+02	5.846E+02	5.861E+02
52300.	6.055E+02	6.250E+02	6.401E+02	6.515E+02	6.600E+02	6.663E+02	6.707E+02	6.739E+02	6.761E+02	6.777E+02
60350.	6.899E+02	7.110E+02	7.273E+02	7.395E+02	7.486E+02	7.550E+02	7.596E+02	7.629E+02	7.651E+02	7.667E+02
68400.	7.629E+02	7.854E+02	8.026E+02	8.154E+02	8.248E+02	8.315E+02	8.362E+02	8.395E+02	8.418E+02	8.433E+02
76440.	8.340E+02	8.579E+02	8.760E+02	8.894E+02	8.991E+02	9.060E+02	9.108E+02	9.141E+02	9.164E+02	9.180E+02
84490.	9.024E+02	9.276E+02	9.456E+02	9.604E+02	9.704E+02	9.774E+02	9.824E+02	9.858E+02	9.881E+02	9.896E+02
92540.	9.692E+02	9.955E+02	1.015E+03	1.030E+03	1.040E+03	1.047E+03	1.052E+03	1.056E+03	1.059E+03	1.060E+03
104600.	1.095E+03	1.124E+03	1.146E+03	1.160E+03	1.171E+03	1.178E+03	1.183E+03	1.187E+03	1.189E+03	1.191E+03
124700.	1.271E+03	1.309E+03	1.325E+03	1.342E+03	1.363E+03	1.361E+03	1.366E+03	1.370E+03	1.372E+03	1.374E+03
148900.	1.433E+03	1.467E+03	1.491E+03	1.509E+03	1.520E+03	1.528E+03	1.534E+03	1.537E+03	1.540E+03	1.541E+03
201200.	1.894E+03	1.924E+03	1.952E+03	1.971E+03	1.984E+03	1.992E+03	1.998E+03	2.002E+03	2.004E+03	2.006E+03
281600.	2.239E+03	2.283E+03	2.314E+03	2.334E+03	2.348E+03	2.357E+03	2.363E+03	2.366E+03	2.369E+03	2.371E+03
442600.	2.907E+03	2.957E+03	2.991E+03	3.014E+03	3.029E+03	3.038E+03	3.044E+03	3.048E+03	3.050E+03	3.052E+03
684000.	3.260E+03	3.313E+03	3.349E+03	3.372E+03	3.387E+03	3.397E+03	3.403E+03	3.407E+03	3.409E+03	3.411E+03
										3.412E+03

TABLE A.9.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	.000E+008	
1207.	3.984E-01	4.010E-01	4.028E-01	4.041E-01	4.049E-01	4.055E-01	4.058E-01	4.059E-01	4.060E-01	4.061E-01	4.061E-01	4.061E-01	
2012.	7.521E-01	7.560E-01	7.580E-01	7.597E-01	7.607E-01	7.613E-01	7.616E-01	7.618E-01	7.619E-01	7.619E-01	7.620E-01	7.620E-01	
2816.	1.011E-02	1.015E-02	1.017E-02	1.019E-02	1.020E-02	1.021E-02	1.021E-02	1.021E-02	1.021E-02	1.021E-02	1.021E-02	1.022E-02	
3621.	1.220E-02	1.224E-02	1.227E-02	1.229E-02	1.230E-02	1.230E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	
4426.	1.392E-02	1.396E-02	1.399E-02	1.401E-02	1.402E-02	1.403E-02	1.403E-02	1.403E-02	1.403E-02	1.403E-02	1.403E-02	1.403E-02	
5230.	1.540E-02	1.544E-02	1.547E-02	1.549E-02	1.550E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	
6036.	1.699E-02	1.678E-02	1.676E-02	1.678E-02	1.679E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	
6840.	1.783E-02	1.787E-02	1.790E-02	1.792E-02	1.793E-02	1.794E-02	1.794E-02	1.794E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	
7644.	1.866E-02	1.890E-02	1.893E-02	1.895E-02	1.896E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	
8451.	2.097E-02	2.102E-02	2.105E-02	2.106E-02	2.108E-02	2.108E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	
10460.	2.281E-02	2.285E-02	2.288E-02	2.290E-02	2.291E-02	2.292E-02	2.292E-02	2.292E-02	2.292E-02	2.292E-02	2.292E-02	2.292E-02	
12470.	2.518E-02	2.523E-02	2.526E-02	2.528E-02	2.529E-02	2.529E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	
14890.	2.722E-02	2.727E-02	2.730E-02	2.732E-02	2.733E-02	2.733E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	
18110.	3.083E-02	3.088E-02	3.091E-02	3.092E-02	3.094E-02	3.094E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	
22130.	3.427E-02	3.432E-02	3.435E-02	3.437E-02	3.438E-02	3.438E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	
26150.	3.761E-02	3.766E-02	3.769E-02	3.771E-02	3.772E-02	3.772E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	
30180.	4.089E-02	4.094E-02	4.097E-02	4.098E-02	4.100E-02	4.100E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	
36210.	5.001E-02	5.005E-02	5.008E-02	5.010E-02	5.011E-02	5.012E-02	5.012E-02	5.012E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	
44260.	5.879E-02	5.883E-02	5.886E-02	5.888E-02	5.889E-02	5.890E-02	5.890E-02	5.890E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	
52300.	6.794E-02	6.799E-02	6.802E-02	6.804E-02	6.805E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	
60360.	7.684E-02	7.689E-02	7.692E-02	7.694E-02	7.695E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	
68400.	8.451E-02	8.456E-02	8.459E-02	8.461E-02	8.462E-02	8.462E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	
76440.	9.198E-02	9.202E-02	9.205E-02	9.207E-02	9.208E-02	9.209E-02	9.209E-02	9.209E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	
84490.	9.914E-02	9.919E-02	9.922E-02	9.924E-02	9.925E-02	9.925E-02	9.925E-02	9.925E-02	9.925E-02	9.925E-02	9.925E-02	9.925E-02	
92540.	1.061E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	
104600.	1.193E-03	1.193E-03	1.193E-03	1.193E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	
124700.	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	1.376E-03	
148900.	1.543E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	
201200.	2.008E-03	2.008E-03	2.008E-03	2.008E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	
281600.	2.372E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	
442600.	3.054E-03	3.054E-03	3.054E-03	3.054E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	
684000.	3.413E-03	3.413E-03	3.413E-03	3.413E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	

TABLE A.9.2. (Continued)

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01	4.061E-01
2012.	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01	7.620E-01
2816.	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02	1.022E-02
3621.	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02	1.231E-02
4426.	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02
5230.	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02	1.551E-02
6035.	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02	1.680E-02
6840.	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02	1.795E-02
7644.	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02	1.897E-02
8451.	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02	2.109E-02
10460.	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02	2.293E-02
12470.	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02	2.530E-02
14890.	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02	2.734E-02
18110.	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02	3.095E-02
22130.	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02	3.439E-02
26160.	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02	3.773E-02
30180.	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02	4.101E-02
36210.	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02	5.013E-02
44260.	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02	5.891E-02
52300.	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02	6.806E-02
60350.	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02	7.696E-02
68400.	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02	8.463E-02
76440.	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02	9.210E-02
84490.	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02	9.926E-02
92540.	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03	1.062E-03
104600.	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03	1.194E-03
124700.	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03	1.377E-03
148900.	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03	1.544E-03
201200.	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03	2.009E-03
281600.	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03	2.373E-03
442600.	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03	3.055E-03
684000.	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03	3.414E-03

(continued)

TABLE A.10.1. Early Dose for Pasquill D, 4.0 m/sec, Release Term is SST1:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	4.355E-04	4.336E-04	4.277E-04	4.180E-04	4.048E-04	3.882E-04	3.685E-04	3.463E-04	3.219E-04	2.959E-04	2.688E-04
1207.	1.907E-04	1.890E-04	1.839E-04	1.758E-04	1.650E-04	1.519E-04	1.372E-04	1.213E-04	1.051E-04	8.894E-05	7.352E-05
2012.	9.686E-03	9.564E-03	9.210E-03	8.647E-03	7.909E-03	7.044E-03	6.101E-03	5.135E-03	4.192E-03	3.315E-03	2.534E-03
2816.	6.056E-03	5.966E-03	5.702E-03	5.286E-03	4.750E-03	4.134E-03	3.480E-03	2.830E-03	2.219E-03	1.674E-03	1.213E-03
3621.	4.224E-03	4.163E-03	3.948E-03	3.627E-03	3.218E-03	2.754E-03	2.271E-03	1.801E-03	1.372E-03	1.000E-03	6.968E-02
4426.	3.151E-03	3.094E-03	2.929E-03	2.672E-03	2.347E-03	1.983E-03	1.609E-03	1.252E-03	9.318E-02	6.818E-02	4.471E-02
5230.	2.462E-03	2.415E-03	2.278E-03	2.066E-03	1.800E-03	1.505E-03	1.205E-03	9.232E-02	6.745E-02	4.667E-02	3.089E-02
6035.	1.989E-03	1.949E-03	1.833E-03	1.655E-03	1.432E-03	1.186E-03	9.392E-02	7.096E-02	5.102E-02	3.481E-02	2.245E-02
6840.	1.648E-03	1.614E-03	1.514E-03	1.361E-03	1.171E-03	9.625E-02	7.550E-02	5.639E-02	4.000E-02	2.685E-02	1.701E-02
7644.	1.392E-03	1.362E-03	1.275E-03	1.142E-03	9.771E-02	7.980E-02	6.208E-02	4.590E-02	3.217E-02	2.131E-02	1.329E-02
8451.	1.113E-03	1.088E-03	1.016E-03	9.053E-02	7.696E-02	6.231E-02	4.796E-02	3.501E-02	2.417E-02	1.572E-02	9.604E-01
10460.	8.608E-02	8.405E-02	7.823E-02	6.936E-02	5.852E-02	4.692E-02	3.567E-02	2.585E-02	1.740E-02	1.109E-02	6.613E-01
12470.	6.560E-02	6.389E-02	5.926E-02	5.225E-02	4.374E-02	3.470E-02	2.605E-02	1.844E-02	1.228E-02	7.660E-01	4.456E-01
14890.	4.964E-02	4.836E-02	4.471E-02	3.919E-02	3.253E-02	2.563E-02	1.891E-02	1.317E-02	8.605E-01	5.250E-01	2.977E-01H
18110.	3.638E-02	3.540E-02	3.260E-02	2.839E-02	2.368E-02	1.812E-02	1.322E-02	9.048E-01	5.789E-01	3.447E-01H	1.900E-01F
22130.	2.639E-02	2.564E-02	2.352E-02	2.035E-02	1.658E-02	1.271E-02	9.133E-01	6.138E-01	3.842E-01	2.230E-01G	1.194E-01E
26150.	2.014E-02	1.955E-02	1.787E-02	1.537E-02	1.242E-02	9.416E-01	6.677E-01	4.416E-01	2.712E-01H	1.540E-01F	8.044E-00
30180.	1.594E-02	1.546E-02	1.408E-02	1.205E-02	9.667E-01	7.258E-01	5.087E-01	3.316E-01H	2.004E-01G	1.116E-01E	5.703E-00D
36210.	1.178E-02	1.141E-02	1.036E-02	8.807E-01	7.005E-01	5.200E-01	3.593E-01H	2.303E-01G	1.364E-01E	7.420E-00D	3.688E-00
44260.	8.417E-01	8.140E-01	7.359E-01	6.214E-01	4.893E-01	3.585E-01	2.437E-01G	1.537E-01F	8.862E-00	4.694E-00	2.262E-00C
52300.	6.337E-01	6.121E-01	5.512E-01	4.625E-01	3.609E-01	2.614E-01H	1.752E-01F	1.082E-01E	6.134E-00D	3.173E-00	1.488E-00
60350.	4.954E-01	4.779E-01	4.290E-01	3.579E-01	2.772E-01H	1.987E-01	1.315E-01	8.001E-00	4.555E-00	2.258E-00C	1.034E-00B
68400.	3.983E-01	3.839E-01	3.436E-01	2.853E-01H	2.194E-01G	1.558E-01F	1.020E-01E	6.122E-00D	3.355E-00	1.669E-00	7.489E-01
76440.	3.275E-01	3.153E-01	2.815E-01	2.327E-01G	1.778E-01F	1.253E-01	8.118E-00	4.815E-00	2.802E-00	1.273E-00B	5.604E-01*
84490.	2.741E-01H	2.637E-01H	2.348E-01G	1.934E-01	1.489E-01	1.028E-01E	6.599E-00	3.871E-00	2.065E-00C	9.955E-01	4.307E-01
92540.	2.312E-01G	2.223E-01G	1.976E-01	1.621E-01F	1.226E-01E	8.520E-00	5.426E-00D	3.153E-00	1.863E-00	7.910E-01	3.375E-01
104600.	1.802E-01F	1.732E-01F	1.535E-01F	1.254E-01E	9.428E-00	6.501E-00D	4.100E-00	2.354E-00C	1.224E-00B	5.728E-01*	2.394E-01
124700.	1.253E-01E	1.202E-01E	1.061E-01E	8.614E-00	6.413E-00D	4.367E-00	2.711E-00C	1.627E-00B	7.765E-01*	3.539E-01	1.435E-01
148900.	8.616E-00D	8.254E-00D	7.255E-00D	5.843E-00D	4.303E-00	2.890E-00C	1.763E-00B	9.729E-01*	4.826E-01	2.137E-01	8.383E-02
201200.	4.882E-00	4.684E-00	4.065E-00	3.228E-00C	2.330E-00C	1.525E-00B	9.010E-01*	4.782E-01	2.268E-01	9.513E-02	3.509E-02
281600.	2.943E-00C	2.802E-00C	2.416E-00C	1.885E-00B	1.327E-00B	8.403E-01*	4.768E-01	2.410E-01	1.079E-01	4.239E-02	1.449E-02
442600.	1.258E-00B	1.192E-00B	1.016E-00B	7.757E-01*	5.300E-01*	3.228E-01	1.744E-01	8.310E-02	3.468E-02	1.254E-02	3.898E-03
684000.	4.544E-01	4.291E-01	3.612E-01	2.705E-01	1.797E-01	1.054E-01	5.437E-02	2.446E-02	9.527E-03	3.180E-03	8.992E-04

TABLE A.10.1. (Continued)

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	2.411E-04	2.135E-04	1.864E-04	1.604E-04	1.358E-04	1.132E-04	9.269E-05	7.451E-05	5.872E-05	4.532E-05
1207.	5.927E-03	4.651E-03	3.547E-03	2.623E-03	1.877E-03	1.296E-03	8.615E-04	5.491E-04	3.345E-04	1.939E-04
2012.	1.867E-03	1.324E-03	9.002E-04	5.850E-04	3.619E-04	2.123E-04	1.174E-04	6.088E-05	2.941E-05	1.313E-05
2816.	8.407E-02	5.562E-02	3.498E-02	2.082E-02	1.167E-02	6.127E-02	2.993E-03	1.350E-03	5.573E-04	2.085E-04
3621.	4.621E-02	2.906E-02	1.726E-02	9.636E-03	5.025E-03	2.433E-03	1.084E-03	4.414E-04	1.623E-04	5.380E-05
4238.	2.863E-02	1.731E-02	9.831E-03	5.217E-03	2.570E-03	1.186E-03	4.838E-04	1.825E-04	6.192E-05	1.846E-05
5230.	1.923E-02	1.125E-02	6.161E-03	3.137E-03	1.475E-03	6.350E-04	2.504E-04	8.959E-05	2.770E-05	7.641E-06
6035.	1.364E-02	7.769E-03	4.125E-03	2.028E-03	9.176E-04	3.810E-04	1.428E-04	4.750E-05	1.389E-05	3.505E-06
6840.	1.011E-02	5.619E-03	2.900E-03	1.423E-03	6.071E-04	2.420E-04	8.658E-05	2.742E-05	7.582E-06	1.798E-06
7644.	7.763E-01	4.228E-01	2.134E-01	1.028E-01	4.234E-02	1.627E-02	5.578E-03	1.684E-03	4.410E-04	9.934E-05
8651.	5.461E-01	2.908E-01	1.423E-01	6.386E-02	2.604E-02	9.597E-03	3.142E-03	9.001E-04	2.219E-04	4.622E-05
10460.	3.872E-01	1.887E-01	8.914E-02	3.840E-02	1.495E-02	5.203E-03	1.611E-03	4.337E-04	9.967E-05	1.910E-05
12470.	2.404E-01	1.190E-01	5.444E-02	2.249E-02	8.346E-03	2.753E-03	7.998E-04	2.105E-04	4.266E-05	7.477E-06
14690.	1.561E-01	7.512E-02	3.295E-02	1.305E-02	4.624E-03	1.446E-03	3.955E-04	9.281E-05	1.822E-05	3.614E-06
16110.	9.644E-02	4.475E-02	1.883E-02	7.116E-03	2.390E-03	7.040E-04	1.792E-04	3.895E-05	7.034E-06	1.161E-06
22130.	5.860E-02	2.617E-02	1.054E-02	3.792E-03	1.204E-03	3.330E-04	7.890E-05	1.581E-05	1.611E-06	1.028E-07
26150.	3.837E-02	1.659E-02	6.445E-03	2.226E-03	6.756E-04	1.775E-04	4.007E-05	7.533E-06	1.684E-06	3.447E-07
30180.	2.563E-02	1.116E-02	3.295E-03	1.305E-03	4.092E-04	1.037E-04	2.220E-05	3.934E-06	5.630E-07	6.320E-08
36210.	1.683E-02	6.746E-03	2.438E-03	7.765E-04	2.150E-04	5.099E-05	1.019E-05	1.684E-06	2.227E-07	2.285E-08
44280.	9.400E-03	3.833E-03	1.323E-03	4.000E-04	1.044E-04	2.317E-05	4.268E-06	6.499E-07	7.835E-08	7.228E-09
52300.	6.278E-03	2.382E-03	7.839E-04	2.268E-04	5.637E-05	1.184E-05	2.077E-06	2.941E-07	3.263E-08	2.744E-09
60350.	4.248E-03	1.551E-03	4.976E-04	1.368E-04	3.303E-05	6.665E-06	1.105E-06	1.488E-07	1.517E-08	1.180E-09
68400.	3.004E-03	1.068E-03	3.324E-04	8.952E-05	2.067E-05	3.989E-06	6.289E-07	7.908E-08	7.693E-09	5.593E-10
76440.	2.200E-03	7.827E-04	2.310E-04	6.059E-05	1.350E-05	2.502E-06	3.776E-07	4.523E-08	4.172E-09	2.862E-10
84490.	1.658E-03	5.622E-04	1.684E-04	4.247E-05	9.154E-06	1.635E-06	2.368E-07	2.709E-08	2.386E-09	1.543E-10
92540.	1.278E-03	4.253E-04	1.234E-04	3.065E-05	6.412E-06	1.108E-06	1.548E-07	1.703E-08	1.427E-09	.000E+00
104600.	8.861E-04	2.873E-04	8.067E-05	1.934E-05	3.907E-06	4.488E-07	6.556E-08	9.028E-09	7.111E-10	.000E+00
124700.	5.125E-04	1.596E-04	4.278E-05	9.727E-06	1.844E-06	2.855E-07	3.547E-08	3.427E-09	2.473E-10	.000E+00
146900.	2.884E-04	8.604E-05	2.198E-05	4.732E-06	1.410E-06	2.191E-07	1.403E-08	1.246E-09	.000E+00	.000E+00
201200.	1.128E-04	3.103E-05	7.245E-06	1.410E-06	2.244E-07	2.855E-08	2.829E-09	2.118E-10	.000E+00	.000E+00
281600.	4.264E-05	1.068E-05	2.228E-06	3.828E-07	5.293E-08	5.751E-09	4.769E-10	.000E+00	.000E+00	.000E+00
442800.	1.027E-05	2.263E-06	4.101E-07	5.994E-08	6.905E-09	6.106E-10	.000E+00	.000E+00	.000E+00	.000E+00
684000.	2.125E-06	4.130E-07	6.481E-08	8.036E-09	7.674E-10	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.10.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)													
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0			
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	2.522E-03	1.812E-03	1.267E-03H	8.607E-02H	5.666E-02H	3.67E-02H	2.214E-02H	1.307E-02H	7.397E-01H	3.997E-01H	2.056E-01G			
1207.	5.512E-01H	2.672E-01H	1.204E-01E	5.011E+00D	1.906E+00B	6.580E-01*	2.017E-01	5.465E-02	1.282E-02	2.684E-03	4.490E-04			
2012.	1.994E+00B	6.633E-01*	1.951E-01	4.989E-02	1.088E-02	2.020E-03	3.072E-04	3.581E-05	3.064E-06	1.824E-07	.000E+00			
2816.	2.088E-01	5.442E-02	1.215E-02	2.234E-03	3.282E-04	3.719E-05	3.112E-06	1.824E-07	.000E+00	.000E+00	.000E+00			
3821.	3.974E-02	8.442E-03	1.474E-03	2.055E-04	2.205E-05	1.744E-06	9.643E-08	.000E+00	.000E+00	.000E+00	.000E+00			
4426.	1.039E-02	1.880E-03	2.737E-04	3.102E-05	2.633E-06	1.584E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
5230.	3.416E-03	5.421E-04	6.846E-05	6.529E-06	4.479E-07	2.087E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
6035.	1.331E-03	1.900E-04	2.097E-05	1.715E-06	9.889E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
6840.	5.873E-04	7.586E-05	7.478E-06	6.385E-07	2.871E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
7844.	2.823E-04	3.361E-05	3.019E-06	1.939E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
8851.	1.084E-04	1.143E-05	8.982E-07	4.989E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
10460.	3.692E-05	3.489E-06	2.368E-07	1.104E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
12470.	1.158E-05	9.538E-07	5.607E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
14890.	3.630E-06	2.612E-07	1.312E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
18110.	1.011E-06	6.309E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
22130.	2.657E-07	1.426E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
26150.	8.642E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
30180.	3.322E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
44280.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
60360.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
92640.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
442800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00			

TABLE A.10.1.

[illegible]

TABLE A.10.2. Early Dose for Pasquill D, 4.0 m/sec, Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.772E+04	5.285E+04	8.705E+04	1.197E+05	1.504E+05	1.787E+05	2.042E+05	2.267E+05	2.463E+05	2.628E+05	2.765E+05	2.828E+05	2.863E+05	2.885E+05	2.898E+05	2.905E+05	2.908E+05	2.910E+05
2012.	3.845E+04	1.146E+05	2.759E+05	3.771E+05	4.700E+05	5.531E+05	6.255E+05	6.893E+05	7.377E+05	7.784E+05	8.101E+05	8.355E+05	8.555E+05	8.715E+05	8.845E+05	8.950E+05	9.035E+05	9.100E+05
2816.	5.653E+04	1.682E+05	3.596E+05	4.908E+05	6.098E+05	7.154E+05	8.064E+05	8.826E+05	9.446E+05	9.935E+05	1.031E+06	1.059E+06	1.079E+06	1.094E+06	1.106E+06	1.115E+06	1.122E+06	1.128E+06
3621.	7.383E+04	2.196E+05	4.353E+05	5.929E+05	7.355E+05	8.609E+05	9.679E+05	1.057E+06	1.129E+06	1.183E+06	1.225E+06	1.256E+06	1.276E+06	1.288E+06	1.296E+06	1.302E+06	1.307E+06	1.311E+06
4426.	8.953E+04	2.661E+05	5.052E+05	6.872E+05	8.511E+05	9.942E+05	1.115E+06	1.215E+06	1.294E+06	1.355E+06	1.401E+06	1.438E+06	1.466E+06	1.486E+06	1.500E+06	1.510E+06	1.518E+06	1.524E+06
5230.	1.041E+05	3.091E+05	5.702E+05	7.747E+05	9.581E+05	1.117E+06	1.251E+06	1.361E+06	1.447E+06	1.513E+06	1.561E+06	1.598E+06	1.626E+06	1.646E+06	1.661E+06	1.672E+06	1.680E+06	1.686E+06
6035.	1.176E+05	3.492E+05	6.312E+05	8.868E+05	1.058E+06	1.232E+06	1.378E+06	1.496E+06	1.588E+06	1.658E+06	1.710E+06	1.756E+06	1.794E+06	1.822E+06	1.842E+06	1.858E+06	1.871E+06	1.881E+06
6840.	1.423E+05	4.222E+05	7.423E+05	9.337E+05	1.152E+06	1.340E+06	1.496E+06	1.622E+06	1.720E+06	1.794E+06	1.847E+06	1.888E+06	1.918E+06	1.939E+06	1.955E+06	1.968E+06	1.978E+06	1.986E+06
7644.	1.686E+05	4.999E+05	8.143E+05	1.025E+06	1.255E+06	1.543E+06	1.786E+06	1.985E+06	2.142E+06	2.261E+06	2.348E+06	2.410E+06	2.458E+06	2.496E+06	2.525E+06	2.548E+06	2.566E+06	2.581E+06
8451.	1.926E+05	5.708E+05	9.287E+05	1.102E+06	1.357E+06	1.634E+06	1.935E+06	2.207E+06	2.472E+06	2.698E+06	2.888E+06	3.041E+06	3.165E+06	3.265E+06	3.345E+06	3.408E+06	3.458E+06	3.498E+06
10450.	2.263E+05	6.672E+05	1.084E+06	1.468E+06	1.794E+06	2.072E+06	2.297E+06	2.472E+06	2.603E+06	2.698E+06	2.764E+06	2.812E+06	2.848E+06	2.875E+06	2.895E+06	2.910E+06	2.921E+06	2.929E+06
12470.	2.550E+05	7.549E+05	1.226E+06	1.651E+06	2.021E+06	2.330E+06	2.577E+06	2.768E+06	2.910E+06	3.011E+06	3.081E+06H	3.130E+06	3.168E+06	3.196E+06	3.216E+06	3.230E+06	3.240E+06	3.248E+06
14890.	3.095E+05	9.155E+05	1.484E+06	1.995E+06	2.435E+06	2.799E+06	3.085E+06	3.303E+06	3.462E+06	3.573E+06H	3.649E+06F	3.700E+06	3.738E+06	3.766E+06	3.786E+06	3.800E+06	3.810E+06	3.818E+06
18110.	3.580E+05	1.058E+06	1.713E+06	2.299E+06	2.799E+06	3.209E+06	3.530E+06	3.770E+06	3.944E+06	4.063E+06G	4.143E+06E	4.200E+06	4.248E+06	4.286E+06	4.316E+06	4.340E+06	4.358E+06	4.372E+06
22130.	4.018E+05	1.186E+06	1.919E+06	2.571E+06	3.125E+06	3.570E+06	3.925E+06	4.185E+06	4.370E+06H	4.496E+06F	4.579E+06	4.640E+06	4.688E+06	4.726E+06	4.756E+06	4.780E+06	4.798E+06	4.812E+06
26150.	4.418E+05	1.304E+06	2.108E+06	2.820E+06	3.458E+06	4.014E+06	4.455E+06	4.795E+06	5.043E+06	5.200E+06	5.330E+06	5.435E+06	5.515E+06	5.575E+06	5.620E+06	5.655E+06	5.680E+06	5.698E+06
30180.	4.845E+05	1.406E+06	2.590E+06	3.424E+06	4.182E+06	4.811E+06	5.305E+06	5.685E+06	5.965E+06	6.155E+06	6.305E+06	6.425E+06	6.515E+06	6.585E+06	6.640E+06	6.680E+06	6.710E+06	6.730E+06
36210.	5.445E+05	1.606E+06	3.014E+06	4.014E+06	4.845E+06	5.500E+06	5.990E+06G	6.339E+06F	6.577E+06	6.732E+06	6.830E+06C	6.900E+06	6.955E+06	6.995E+06	7.025E+06	7.045E+06	7.060E+06	7.070E+06
44260.	6.350E+05	1.872E+06	3.424E+06	4.552E+06	5.493E+06	6.211E+06H	6.750E+06F	7.129E+06E	7.384E+06D	7.548E+06	7.649E+06	7.700E+06	7.735E+06	7.755E+06	7.770E+06	7.780E+06	7.785E+06	7.790E+06
52300.	7.229E+05	2.129E+06	3.799E+06	5.043E+06	6.084E+06H	6.858E+06	7.437E+06	7.995E+06E	8.420E+06D	8.701E+06	8.885E+06	8.985E+06	9.065E+06	9.125E+06	9.170E+06	9.200E+06	9.220E+06	9.235E+06
60350.	8.032E+05	2.385E+06	4.388E+06H	5.814E+06G	6.536E+06F	7.380E+06F	7.995E+06E	8.509E+06	8.953E+06	9.243E+06	9.424E+06B	9.533E+06	9.600E+06	9.645E+06	9.675E+06	9.695E+06	9.710E+06	9.720E+06
68400.	8.690E+05	2.567E+06	4.105E+06	5.443E+06H	6.973E+06F	7.863E+06	8.605E+06E	9.279E+06	9.436E+06	9.535E+06	9.595E+06	9.635E+06	9.660E+06	9.675E+06	9.685E+06	9.690E+06	9.695E+06	9.698E+06
76440.	9.301E+05	2.736E+06	4.388E+06H	6.154E+06	7.374E+06	8.300E+06E	8.979E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06
84490.	9.863E+05H	2.901E+06H	4.849E+06G	6.154E+06	7.374E+06	8.300E+06E	8.979E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06	9.436E+06
92540.	1.039E+06G	3.054E+06G	4.893E+06	6.471E+06F	7.748E+06E	8.717E+06	9.415E+06D	1.017E+07	1.087E+07C	1.099E+07B	1.118E+07A	1.130E+07	1.140E+07	1.148E+07	1.153E+07	1.156E+07	1.158E+07	1.160E+07
104600.	1.130E+06F	3.322E+06F	5.316E+06F	7.022E+06E	8.394E+06	9.431E+06D	1.017E+07	1.110E+07C	1.163E+07B	1.198E+07A	1.216E+07	1.228E+07	1.238E+07	1.245E+07	1.250E+07	1.253E+07	1.255E+07	1.257E+07
124700.	1.245E+06E	3.658E+06E	5.845E+06E	7.708E+06	9.197E+06	1.031E+07	1.110E+07C	1.186E+07B	1.241E+07A	1.275E+07	1.296E+07	1.308E+07	1.318E+07	1.325E+07	1.330E+07	1.333E+07	1.335E+07	1.337E+07
148900.	1.339E+06D	3.931E+06D	6.276E+06D	8.270E+06D	9.852E+06	1.103E+07C	1.186E+07B	1.241E+07A	1.275E+07	1.296E+07	1.308E+07	1.318E+07	1.325E+07	1.330E+07	1.333E+07	1.335E+07	1.337E+07	1.339E+07
201200.	1.579E+06	4.628E+06	7.374E+06	9.682E+06C	1.149E+07C	1.282E+07B	1.374E+07A	1.433E+07	1.470E+07	1.491E+07	1.504E+07	1.512E+07	1.518E+07	1.522E+07	1.525E+07	1.527E+07	1.529E+07	1.530E+07
281600.	1.781E+06C	5.215E+06C	8.293E+06C	1.086E+07B	1.286E+07B	1.430E+07A	1.528E+07	1.591E+07	1.629E+07	1.651E+07	1.663E+07	1.670E+07	1.675E+07	1.678E+07	1.680E+07	1.682E+07	1.683E+07	1.684E+07
442600.	2.189E+06B	6.396E+06B	1.013E+07B	1.320E+07A	1.554E+07	1.719E+07	1.829E+07	1.897E+07	1.937E+07	1.960E+07	1.973E+07	1.980E+07	1.983E+07	1.985E+07	1.987E+07	1.988E+07	1.989E+07	1.990E+07
684000.	2.416E+06	7.053E+06	1.115E+07	1.449E+07	1.701E+07	1.877E+07	1.992E+07	2.062E+07	2.103E+07	2.127E+07	2.139E+07	2.148E+07	2.153E+07	2.156E+07	2.158E+07	2.160E+07	2.161E+07	2.162E+07

TABLE A.10.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	2.875E-05	2.961E-05	3.027E-05	3.076E-05	3.111E-05	3.135E-05	3.151E-05	3.161E-05	3.167E-05	3.171E-05	3.173E-05H	3.173E-05H
2012.	5.886E-05	6.029E-05	6.133E-05	6.207E-05	6.258E-05	6.291E-05	6.312E-05	6.325E-05H	6.332E-05H	6.336E-05E	6.339E-05D	6.339E-05D
2816.	8.342E-05	8.518E-05	8.643E-05	8.729E-05	8.787E-05	8.824E-05H	8.846E-05H	8.860E-05E	8.868E-05D	8.872E-05C	8.874E-05*	8.874E-05*
3821.	1.059E-08	1.079E-08	1.093E-08	1.102E-08	1.108E-08	1.112E-08G	1.115E-08E	1.116E-08C	1.117E-08B	1.117E-08*	1.117E-08	1.117E-08
4426.	1.256E-08	1.278E-08	1.293E-08	1.303E-08	1.309E-08H	1.313E-08E	1.315E-08	1.317E-08B	1.318E-08*	1.318E-08	1.318E-08	1.318E-08
5230.	1.434E-08	1.457E-08	1.473E-08	1.483E-08H	1.489E-08E	1.493E-08D	1.496E-08C	1.497E-08*	1.498E-08	1.499E-08	1.499E-08	1.499E-08
6035.	1.596E-08	1.620E-08	1.636E-08	1.647E-08H	1.654E-08	1.658E-08	1.660E-08B	1.662E-08	1.663E-08	1.663E-08	1.663E-08	1.663E-08
6840.	1.746E-08	1.771E-08	1.788E-08H	1.798E-08E	1.805E-08D	1.809E-08C	1.812E-08	1.813E-08	1.814E-08	1.814E-08	1.815E-08	1.815E-08
7644.	1.865E-08	1.911E-08	1.928E-08G	1.939E-08	1.945E-08	1.950E-08B	1.952E-08*	1.954E-08	1.954E-08	1.955E-08	1.955E-08	1.955E-08
8651.	2.184E-08	2.212E-08H	2.229E-08E	2.240E-08D	2.247E-08C	2.251E-08*	2.254E-08	2.256E-08	2.256E-08	2.257E-08	2.257E-08	2.257E-08
10460.	2.452E-08H	2.480E-08F	2.498E-08	2.510E-08	2.517E-08B	2.521E-08*	2.524E-08	2.525E-08	2.526E-08	2.526E-08	2.527E-08	2.527E-08
12470.	2.809E-08G	2.838E-08E	2.857E-08D	2.869E-08C	2.876E-08*	2.880E-08	2.883E-08	2.884E-08	2.885E-08	2.886E-08	2.886E-08	2.886E-08
14890.	3.127E-08F	3.158E-08D	3.177E-08C	3.189E-08B	3.195E-08	3.200E-08	3.203E-08	3.204E-08	3.205E-08	3.205E-08	3.206E-08	3.206E-08
18110.	3.698E-08	3.730E-08	3.749E-08	3.761E-08*	3.769E-08	3.773E-08	3.776E-08	3.777E-08	3.778E-08	3.778E-08	3.778E-08	3.778E-08
22130.	4.195E-08D	4.227E-08C	4.247E-08B	4.260E-08	4.267E-08	4.271E-08	4.274E-08	4.275E-08	4.276E-08	4.276E-08	4.277E-08	4.277E-08
26150.	4.633E-08	4.666E-08	4.686E-08*	4.699E-08	4.706E-08	4.710E-08	4.713E-08	4.714E-08	4.715E-08	4.716E-08	4.716E-08	4.716E-08
30180.	5.030E-08C	5.064E-08B	5.084E-08	5.097E-08	5.104E-08	5.108E-08	5.111E-08	5.112E-08	5.113E-08	5.114E-08	5.114E-08	5.114E-08
36210.	6.028E-08B	6.063E-08*	6.084E-08	6.096E-08	6.104E-08	6.108E-08	6.111E-08	6.112E-08	6.113E-08	6.113E-08	6.113E-08	6.113E-08
44280.	6.889E-08	6.925E-08	6.948E-08	6.959E-08	6.968E-08	6.971E-08	6.973E-08	6.975E-08	6.976E-08	6.976E-08	6.976E-08	6.976E-08
52300.	7.711E-08*	7.747E-08	7.769E-08	7.781E-08	7.789E-08	7.793E-08	7.796E-08	7.797E-08	7.798E-08	7.798E-08	7.798E-08	7.798E-08
60350.	8.451E-08	8.488E-08	8.509E-08	8.522E-08	8.530E-08	8.534E-08	8.536E-08	8.538E-08	8.539E-08	8.539E-08	8.539E-08	8.539E-08
68400.	9.049E-08	9.086E-08	9.108E-08	9.120E-08	9.128E-08	9.132E-08	9.135E-08	9.136E-08	9.137E-08	9.138E-08	9.138E-08	9.138E-08
76440.	9.598E-08	9.636E-08	9.658E-08	9.670E-08	9.678E-08	9.682E-08	9.685E-08	9.686E-08	9.687E-08	9.688E-08	9.688E-08	9.688E-08
84490.	1.010E-07	1.014E-07	1.016E-07	1.017E-07	1.018E-07	1.018E-07	1.019E-07	1.019E-07	1.019E-07	1.019E-07	1.019E-07	1.019E-07
92540.	1.056E-07	1.060E-07	1.062E-07	1.063E-07	1.064E-07	1.065E-07	1.065E-07	1.065E-07	1.065E-07	1.065E-07	1.065E-07	1.065E-07
104600.	1.136E-07	1.140E-07	1.142E-07	1.144E-07	1.144E-07	1.145E-07	1.145E-07	1.145E-07	1.145E-07	1.145E-07	1.145E-07	1.145E-07
124700.	1.235E-07	1.239E-07	1.241E-07	1.242E-07	1.243E-07	1.243E-07	1.244E-07	1.244E-07	1.244E-07	1.244E-07	1.244E-07	1.244E-07
148900.	1.314E-07	1.318E-07	1.320E-07	1.322E-07	1.323E-07	1.323E-07	1.323E-07	1.323E-07	1.323E-07	1.323E-07	1.323E-07	1.323E-07
201200.	1.511E-07	1.514E-07	1.517E-07	1.518E-07	1.519E-07	1.519E-07	1.519E-07	1.520E-07	1.520E-07	1.520E-07	1.520E-07	1.520E-07
261800.	1.670E-07	1.674E-07	1.676E-07	1.678E-07	1.678E-07	1.679E-07	1.679E-07	1.679E-07	1.679E-07	1.679E-07	1.679E-07	1.679E-07
442600.	1.980E-07	1.984E-07	1.986E-07	1.987E-07	1.988E-07	1.988E-07	1.989E-07	1.989E-07	1.989E-07	1.989E-07	1.989E-07	1.989E-07
684000.	2.147E-07	2.151E-07	2.153E-07	2.154E-07	2.155E-07	2.155E-07	2.155E-07	2.156E-07	2.156E-07	2.156E-07	2.156E-07	2.156E-07

TABLE A.10.2.

[illegible]

TABLE A.10.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00E	.000E+00C	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05	3.175E+05
2012.	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05	6.341E+05
2816.	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05	8.876E+05
3621.	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06	1.118E+06
4426.	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06	1.318E+06
5230.	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06	1.499E+06
6036.	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06	1.663E+06
6840.	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06	1.815E+06
7644.	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06	1.955E+06
8451.	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06	2.257E+06
10460.	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06	2.527E+06
12470.	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06	2.886E+06
14690.	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06	3.206E+06
16110.	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06	3.779E+06
22130.	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06	4.277E+06
26150.	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06	4.716E+06
30180.	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06	5.114E+06
36210.	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06	6.114E+06
44260.	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06	6.976E+06
52300.	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06	7.799E+06
60350.	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06	8.540E+06
68400.	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06	9.138E+06
76440.	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06	9.688E+06
84490.	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07	1.019E+07
92540.	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07	1.065E+07
104600.	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07	1.145E+07
124700.	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07	1.244E+07
148900.	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07	1.324E+07
201200.	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07	1.520E+07
281600.	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07	1.679E+07
442600.	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07	1.989E+07
684000.	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07	2.156E+07

TABLE A.11.1. Early Dose for Pasquill D, 4.0 m/sec. Release Term is SST2:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0		
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	1.084E+03	1.079E+03	1.084E+03	1.040E+03	1.007E+03	9.647E+02	9.154E+02	8.595E+02	7.984E+02	7.332E+02	6.663E+02	.000E+00	
1207.	4.860E+02	4.817E+02	4.888E+02	4.480E+02	4.202E+02	3.867E+02	3.489E+02	3.084E+02	2.688E+02	2.257E+02	1.864E+02	.000E+00	
2012.	2.513E+02	2.482E+02	2.390E+02	2.243E+02	2.051E+02	1.826E+02	1.581E+02	1.329E+02	1.085E+02	8.570E+01	6.545E+01	.000E+00	
2816.	1.588E+02	1.564E+02	1.495E+02	1.386E+02	1.245E+02	1.083E+02	9.115E+01	7.409E+01	5.807E+01	4.379E+01	3.170E+01	.000E+00	
3821.	1.118E+02	1.099E+02	1.045E+02	9.596E+01	8.511E+01	7.282E+01	6.003E+01	4.759E+01	3.622E+01	2.641E+01	1.838E+01	.000E+00	
4426.	8.391E+01	8.239E+01	7.799E+01	7.114E+01	6.247E+01	5.277E+01	4.281E+01	3.299E+01	2.477E+01	1.759E+01	1.188E+01	.000E+00	
5230.	6.587E+01	6.461E+01	6.095E+01	5.528E+01	4.815E+01	4.025E+01	3.223E+01	2.467E+01	1.802E+01	1.252E+01	8.247E+00	.000E+00	
6035.	5.343E+01	5.235E+01	4.924E+01	4.444E+01	3.844E+01	3.184E+01	2.521E+01	1.904E+01	1.369E+01	9.334E+00	6.020E+00	.000E+00	
6840.	4.439E+01	4.346E+01	4.078E+01	3.685E+01	3.152E+01	2.591E+01	2.032E+01	1.518E+01	1.076E+01	7.224E+00	4.573E+00	.000E+00	
7844.	3.782E+01	3.680E+01	3.445E+01	3.055E+01	2.640E+01	2.155E+01	1.678E+01	1.239E+01	8.683E+00	5.749E+00	3.583E+00	.000E+00	
8851.	3.018E+01	2.950E+01	2.755E+01	2.455E+01	2.087E+01	1.689E+01	1.300E+01	9.487E+00	6.547E+00	4.259E+00	2.600E+00	.000E+00	
10460.	2.345E+01	2.289E+01	2.131E+01	1.889E+01	1.593E+01	1.277E+01	9.708E+00	6.980E+00	4.735E+00	3.018E+00	1.798E+00	.000E+00	
12470.	1.792E+01	1.747E+01	1.621E+01	1.429E+01	1.196E+01	9.488E+00	7.119E+00	5.039E+00	3.355E+00	2.092E+00	1.217E+00	.000E+00	
14890.	1.362E+01	1.327E+01	1.228E+01	1.075E+01	8.922E+00	7.002E+00	5.184E+00	3.611E+00	2.359E+00	1.439E+00	8.158E+01	.000E+00	
18110.	1.001E+01	9.737E+00	8.986E+00	7.809E+00	6.423E+00	4.982E+00	3.635E+00	2.488E+00	1.591E+00	9.472E+01	5.221E+01	.000E+00	
22130.	7.271E+00	7.065E+00	6.480E+00	5.608E+00	4.569E+00	3.501E+00	2.518E+00	1.690E+00	1.058E+00	6.141E+01	3.288E+01	.000E+00	
26150.	5.553E+00	5.390E+00	4.926E+00	4.237E+00	3.424E+00	2.596E+00	1.841E+00	1.217E+00	7.478E+01	4.246E+01	2.217E+01	.000E+00	
30180.	4.398E+00	4.262E+00	3.894E+00	3.323E+00	2.666E+00	2.001E+00	1.403E+00	9.144E+01	5.525E+01	3.078E+01	1.572E+01	.000E+00	
36210.	3.248E+00	3.146E+00	2.858E+00	2.428E+00	1.932E+00	1.434E+00	9.908E+01	6.351E+01	3.760E+01	2.046E+01	1.017E+01	.000E+00	
44260.	2.317E+00	2.241E+00	2.026E+00	1.711E+00	1.347E+00	9.871E+01	6.711E+01	4.219E+01	2.441E+01	1.293E+01	6.230E+02	.000E+00	
52300.	1.740E+00	1.681E+00	1.514E+00	1.270E+00	9.914E+01	7.181E+01	4.813E+01	2.973E+01	1.688E+01	8.721E+02	4.090E+02	.000E+00	
60350.	1.355E+00	1.307E+00	1.173E+00	9.792E+01	7.583E+01	5.438E+01	3.599E+01	2.191E+01	1.220E+01	6.166E+02	2.834E+02	.000E+00	
68400.	1.088E+00	1.047E+00	9.388E+01	7.778E+01	5.982E+01	4.251E+01	2.782E+01	1.671E+01	9.159E+02	4.558E+02	2.045E+02	.000E+00	
76440.	8.898E+01	8.569E+01	7.650E+01	6.324E+01	4.834E+01	3.407E+01	2.208E+01	1.310E+01	7.079E+02	3.466E+02	1.528E+02	.000E+00	
84490.	7.424E+01	7.143E+01	6.382E+01	5.239E+01	3.981E+01	2.786E+01	1.789E+01	1.050E+01	5.602E+02	2.701E+02	1.169E+02	.000E+00	
92540.	6.245E+01	6.005E+01	5.337E+01	4.379E+01	3.312E+01	2.302E+01	1.467E+01	8.525E+02	4.498E+02	2.142E+02	9.133E+03	.000E+00	
104600.	4.852E+01	4.682E+01	4.132E+01	3.377E+01	2.588E+01	1.751E+01	1.104E+01	6.343E+02	3.299E+02	1.544E+02	6.458E+03	.000E+00	
124700.	.000E+00	3.218E+01	2.841E+01	2.306E+01	1.717E+01	1.170E+01	7.264E+02	4.094E+02	2.082E+02	9.493E+03	3.850E+03	.000E+00	
148900.	.000E+00	2.198E+01	1.932E+01	1.556E+01	1.146E+01	7.701E+02	4.700E+02	2.594E+02	1.287E+02	5.702E+03	2.237E+03	.000E+00	
201200.	.000E+00	1.236E+01	1.077E+01	8.558E+02	6.178E+02	4.044E+02	2.389E+02	1.268E+02	6.011E+03	2.525E+03	9.318E+04	.000E+00	
281600.	.000E+00	7.416E+02	6.395E+02	4.989E+02	3.512E+02	2.225E+02	1.262E+02	6.381E+03	2.858E+03	1.122E+03	3.838E+04	.000E+00	
442600.	.000E+00	3.205E+02	2.729E+02	2.084E+02	1.423E+02	8.685E+03	4.679E+03	2.228E+03	9.284E+04	3.357E+04	1.042E+04	.000E+00	
584000.	.000E+00	1.192E+02	1.003E+02	7.505E+03	4.980E+03	2.919E+03	1.503E+03	6.752E+04	2.625E+04	8.747E+05	2.469E+05	.000E+00	

TABLE A.11.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)											
DIST (METERS)	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	5.962E-02	5.273E-02	4.599E-02	3.963E-02	3.345E-02	2.784E-02	2.278E-02H	1.829E-02H	1.440E-02H	1.110E-02H	8.374E-01H
1207.	1.501E-02	1.177E-02	8.965E-01H	6.823E-01H	4.735E-01H	3.266E-01H	2.169E-01G	1.381E-01E	8.402E-00D	4.866E-00C	2.870E-00C
2012.	4.820E-01H	3.415E-01H	2.320E-01G	1.506E-01F	9.310E-00D	5.455E-00D	3.014E-00C	1.562E-00B	7.539E-01*	3.384E-01	1.375E-01
2816.	2.197E-01G	1.452E-01E	9.128E-00D	5.430E-00D	3.042E-00C	1.596E-00B	7.791E-01*	3.512E-01	1.449E-01	5.418E-02	1.815E-02
3621.	1.218E-01E	7.659E-00D	4.546E-00	2.636E-00C	1.322E-00B	6.394E-01*	2.849E-01	1.159E-01	4.259E-02	1.410E-02	4.124E-03
4426.	7.602E+00	4.594E+00	2.608E+00C	1.383E+00B	6.810E-01*	3.089E-01	1.280E-01	4.827E-02	1.635E-02	4.870E-03	1.254E-03
5230.	5.131E+00D	3.002E+00	1.643E+00	8.361E-01	3.929E-01	1.691E-01	6.683E-02	2.355E-02	7.366E-03	2.001E-03	4.652E-04
6035.	3.656E+00	2.081E+00C	1.105E+00B	5.430E-01*	2.455E-01	1.019E-01	3.809E-02	1.268E-02	3.704E-03	9.343E-04	1.995E-04
6840.	2.719E+00	1.510E+00	7.793E-01	3.710E-01	1.630E-01	6.493E-02	2.321E-02	7.347E-03	2.030E-03	4.812E-04	9.618E-05
7644.	2.093E+00C	1.140E+00B	5.749E-01*	2.679E-01	1.140E-01	4.378E-02	1.500E-02	4.525E-03	1.184E-03	2.665E-04	4.988E-05
8851.	1.493E+00B	7.884E-01	3.849E-01	1.727E-01	7.037E-02	2.592E-02	8.479E-03	2.427E-03	5.981E-04	1.245E-04	2.132E-05
10460.	9.979E-01	5.126E-01*	2.421E-01	1.043E-01	4.057E-02	1.411E-02	4.368E-03	1.175E-03	2.995E-04	5.166E-05	8.071E-06
12470.	6.562E-01*	3.263E-01	1.486E-01	6.132E-02	2.275E-02	7.500E-03	2.177E-03	5.468E-04	1.600E-04	2.031E-05	2.861E-06
14890.	4.275E-01	2.057E-01	9.021E-02	3.573E-02	1.289E-02	3.967E-03	1.081E-03	2.638E-04	4.975E-05	7.972E-06	1.014E-06
18110.	2.650E-01	1.229E-01	5.170E-02	1.954E-02	6.559E-03	1.932E-03	4.917E-04	1.088E-04	1.928E-05	2.810E-06	3.208E-07
22130.	1.613E-01	7.203E-02	2.901E-02	1.044E-02	3.313E-03	9.160E-04	2.170E-04	4.347E-05	7.185E-06	9.472E-07	9.643E-08
28150.	1.057E-01	4.572E-02	1.776E-02	6.135E-03	1.861E-03	4.891E-04	1.104E-04	2.074E-05	3.168E-06	3.822E-07	3.521E-08
30180.	7.316E-02	3.076E-02	1.158E-02	3.884E-03	1.128E-03	2.668E-04	6.119E-05	1.084E-05	1.552E-06	1.741E-07	1.481E-08
36210.	4.585E-02	1.860E-02	6.724E-03	2.141E-03	5.930E-04	1.406E-04	2.810E-05	4.644E-06	6.140E-07	6.299E-08	.000E+00
44280.	2.711E-02	1.056E-02	3.646E-03	1.102E-03	2.879E-04	6.388E-05	1.182E-05	1.792E-06	2.160E-07	1.993E-08	.000E+00
52300.	1.726E-02	6.495E-03	2.157E-03	6.240E-04	1.551E-04	3.259E-05	5.719E-06	8.100E-07	8.990E-08	.000E+00	.000E+00
60350.	1.165E-02	4.253E-03	1.365E-03	3.804E-04	9.089E-05	1.831E-05	3.036E-06	4.035E-07	4.174E-08	.000E+00	.000E+00
68400.	8.208E-03	2.918E-03	9.088E-04	2.448E-04	5.657E-05	1.092E-05	1.723E-06	2.188E-07	2.111E-08	.000E+00	.000E+00
76440.	5.992E-03	2.078E-03	6.296E-04	1.653E-04	3.894E-05	6.839E-06	1.032E-06	1.236E-07	1.141E-08	.000E+00	.000E+00
84490.	4.502E-03	1.527E-03	4.524E-04	1.155E-04	2.491E-05	4.453E-06	6.452E-07	7.386E-08	.000E+00	.000E+00	.000E+00
92540.	3.459E-03	1.152E-03	3.345E-04	8.314E-05	1.740E-05	3.009E-06	4.200E-07	4.632E-08	.000E+00	.000E+00	.000E+00
104600.	2.391E-03	7.755E-04	2.178E-04	5.224E-05	1.056E-05	1.755E-06	2.343E-07	2.445E-08	.000E+00	.000E+00	.000E+00
124700.	1.376E-03	4.287E-04	1.150E-04	2.615E-05	4.959E-06	7.694E-07	9.563E-08	.000E+00	.000E+00	.000E+00	.000E+00
148900.	7.700E-04	2.298E-04	6.873E-05	1.265E-05	2.258E-06	3.263E-07	3.757E-08	.000E+00	.000E+00	.000E+00	.000E+00
201200.	2.989E-04	8.241E-05	1.925E-05	3.747E-06	5.965E-07	7.592E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	1.129E-04	2.822E-05	5.900E-06	1.014E-06	1.402E-07	1.523E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	2.745E-05	6.044E-06	1.094E-06	1.598E-07	1.840E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	6.823E-06	1.130E-06	1.770E-07	2.190E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.11.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	6.186E-01H	4.427E-01H	3.093E-01H	2.099E-01G	1.381E-01E	8.784E-00D	5.389E-00D	3.179E-00C	1.798E-00B	9.709E-01*	4.988E-01	.000E+00	.000E+00
1207.	1.381E-00B	6.685E-01*	3.011E-01	1.262E-01	4.768E-02	1.636E-02	5.029E-03	1.361E-03	3.192E-04	6.843E-06	1.106E-06	.000E+00	.000E+00
2012.	6.100E-02	1.695E-02	4.981E-03	1.278E-03	2.775E-04	5.138E-05	7.783E-06	9.041E-07	7.714E-08	.000E+00	.000E+00	.000E+00	.000E+00
2816.	5.368E-03	1.409E-03	3.139E-04	5.767E-05	8.441E-06	9.547E-07	7.977E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.	1.038E-03	2.203E-04	3.842E-05	5.349E-06	5.734E-07	4.531E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4426.	2.735E-04	4.941E-05	7.187E-06	8.137E-07	6.893E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	9.047E-05	1.435E-05	1.809E-06	1.722E-07	1.179E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	3.541E-05	5.049E-06	5.565E-07	4.547E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	1.588E-05	2.023E-06	1.993E-07	1.433E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	7.581E-06	8.998E-07	8.072E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8651.	2.915E-06	3.072E-07	2.411E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	9.972E-07	9.360E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	3.137E-07	2.585E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	9.892E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	2.787E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.11.1. (Continued)

		ANGLE FROM CENTERLINE (DEGREES)									
	DIST (METERS)	66.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	2.426E-01	4.779E-02	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	1207.	1.429E-06	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	2012.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	2816.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	3621.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	4428.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	5230.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	6035.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	6840.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	7644.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	8651.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	10460.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	12470.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	14980.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	18110.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	21300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	44280.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	149800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	442800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.11.2. Early Dose for Pasquill D, 4.0 m/sec, Release Term is SST2:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	4.518E+02	1.347E+03	2.219E+03	3.052E+03	3.833E+03	4.562E+03	5.201E+03	5.774E+03	6.270E+03	6.689E+03	7.030E+03
2012.	9.896E+02	2.947E+03	4.841E+03	6.634E+03	8.293E+03	9.793E+03	1.112E+04	1.226E+04	1.322E+04	1.401E+04	1.463E+04
2816.	1.484E+03	4.366E+03	7.143E+03	9.769E+03	1.217E+04	1.431E+04	1.618E+04	1.777E+04	1.907E+04	2.012E+04	2.094E+04H
3621.	1.922E+03	5.714E+03	9.357E+03	1.278E+04	1.566E+04	1.861E+04	2.097E+04	2.294E+04	2.455E+04H	2.581E+04H	2.678E+04F
4426.	2.340E+03	6.963E+03	1.137E+04	1.549E+04	1.921E+04	2.248E+04	2.527E+04	2.767E+04H	2.942E+04G	3.086E+04F	3.198E+04E
5230.	2.728E+03	8.104E+03	1.324E+04	1.801E+04	2.230E+04	2.605E+04	2.922E+04	3.181E+04G	3.388E+04F	3.548E+04E	3.665E+04E
6035.	3.092E+03	9.181E+03	1.499E+04	2.038E+04	2.518E+04	2.938E+04	3.287E+04H	3.572E+04	3.797E+04	3.969E+04	4.095E+04D
6840.	3.435E+03	1.019E+04	1.693E+04	2.257E+04	2.767E+04	3.245E+04H	3.628E+04G	3.937E+04F	4.178E+04E	4.361E+04	4.494E+04
7644.	3.768E+03	1.115E+04	1.818E+04	2.465E+04	3.041E+04H	3.536E+04G	3.947E+04F	4.277E+04E	4.534E+04	4.726E+04D	4.866E+04
8451.	4.072E+03H	1.326E+04H	2.159E+04H	2.922E+04G	3.597E+04G	4.171E+04F	4.644E+04E	5.019E+04	5.307E+04D	5.520E+04	5.671E+04C
10460.	5.125E+03G	1.519E+04G	2.471E+04G	3.339E+04F	4.102E+04F	4.748E+04E	5.275E+04	5.689E+04	6.003E+04	6.233E+04	6.395E+04
12470.	6.019E+03F	1.783E+04F	2.896E+04F	3.907E+04	4.790E+04E	5.530E+04	6.128E+04	6.593E+04D	6.940E+04	7.190E+04C	7.364E+04B
14890.	6.835E+03	2.023E+04E	3.284E+04E	4.421E+04E	5.413E+04	6.237E+04D	6.897E+04D	7.405E+04	7.781E+04C	8.048E+04B	8.232E+04A
18110.	8.335E+03E	2.465E+04	3.995E+04	5.368E+04	6.560E+04D	7.524E+04	8.293E+04	8.875E+04C	9.298E+04	9.594E+04	9.794E+04*
22130.	9.671E+03	2.868E+04	4.828E+04D	6.208E+04D	7.555E+04	8.669E+04	9.519E+04C	1.016E+05	1.063E+05B	1.094E+05*	1.110E+05
26150.	1.087E+04D	3.212E+04D	5.193E+04	6.968E+04	8.454E+04	9.669E+04	1.061E+05	1.131E+05B	1.180E+05	1.214E+05	1.236E+05
30180.	1.198E+04	3.537E+04	5.714E+04	7.844E+04	9.278E+04C	1.059E+05C	1.160E+05B	1.235E+05	1.287E+05*	1.322E+05	1.345E+05
36210.	1.481E+04	4.369E+04	7.044E+04	9.398E+04C	1.137E+05	1.293E+05B	1.412E+05	1.497E+05*	1.568E+05	1.595E+05	1.619E+05
44260.	1.730E+04C	5.100E+04C	8.211E+04C	1.098E+05	1.319E+05B	1.497E+05	1.630E+05*	1.724E+05	1.788E+05	1.830E+05	1.856E+05
52300.	1.972E+04	5.807E+04	9.337E+04	1.241E+05B	1.495E+05	1.692E+05	1.838E+05	1.941E+05	2.010E+05	2.054E+05	2.081E+05
60350.	2.191E+04	6.451E+04	1.036E+05B	1.375E+05	1.653E+05	1.869E+05*	2.027E+05	2.136E+05	2.209E+05	2.255E+05	2.283E+05
68400.	2.371E+04B	6.976E+04B	1.120E+05	1.484E+05	1.782E+05*	2.012E+05	2.179E+05	2.294E+05	2.370E+05	2.417E+05	2.446E+05
76440.	2.537E+04	7.462E+04	1.197E+05	1.585E+05	1.901E+05	2.143E+05	2.318E+05	2.439E+05	2.517E+05	2.566E+05	2.595E+05
84490.	2.689E+04	7.908E+04	1.267E+05	1.677E+05*	2.009E+05	2.263E+05	2.446E+05	2.570E+05	2.651E+05	2.701E+05	2.731E+05
92540.	2.831E+04*	8.322E+04*	1.333E+05*	1.763E+05	2.110E+05	2.374E+05	2.563E+05	2.692E+05	2.774E+05	2.825E+05	2.856E+05
104600.	3.078E+04	9.043E+04	1.447E+05	1.911E+05	2.284E+05	2.566E+05	2.767E+05	2.892E+05	2.988E+05	3.040E+05	3.071E+05
124700.	3.078E+04	9.631E+04	1.558E+05	2.084E+05	2.469E+05	2.772E+05	2.986E+05	3.128E+05	3.218E+05	3.272E+05	3.304E+05
148900.	3.078E+04	1.011E+05	1.648E+05	2.189E+05	2.618E+05	2.938E+05	3.162E+05	3.310E+05	3.403E+05	3.458E+05	3.490E+05
201200.	3.078E+04	1.132E+05	1.875E+05	2.499E+05	2.989E+05	3.349E+05	3.597E+05	3.767E+05	3.866E+05	3.914E+05	3.947E+05
261600.	3.078E+04	1.234E+05	2.065E+05	2.758E+05	3.296E+05	3.686E+05	3.951E+05	4.120E+05	4.223E+05	4.282E+05	4.316E+05
442800.	3.078E+04	1.442E+05	2.450E+05	3.278E+05	3.908E+05	4.355E+05	4.650E+05	4.834E+05	4.942E+05	5.004E+05	5.038E+05
684000.	3.078E+04	1.561E+05	2.669E+05	3.572E+05	4.253E+05	4.728E+05	5.039E+05	5.229E+05	5.340E+05	5.403E+05	5.437E+05

TABLE A.11.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)												
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
DIST (METERS)	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.	7.315E+03	7.534E+03	7.700E+03H	7.824E+03H	7.912E+03H	7.972E+03H	8.013E+03G	8.038E+03E	8.054E+03D	8.063E+03C	8.068E+03C	.000E+00H
2012.	1.512E+04H	1.548E+04H	1.575E+04Q	1.594E+04F	1.607E+04D	1.615E+04D	1.620E+04C	1.623E+04B	1.625E+04*	1.628E+04	1.629E+04	8.068E+03C
2818.	2.155E+04Q	2.201E+04E	2.233E+04D	2.255E+04D	2.269E+04C	2.279E+04B	2.284E+04*	2.288E+04	2.290E+04	2.291E+04	2.291E+04	1.628E+04
3621.	2.749E+04E	2.801E+04D	2.837E+04	2.861E+04C	2.878E+04B	2.888E+04*	2.892E+04	2.896E+04	2.898E+04	2.899E+04	2.900E+04	2.291E+04
4426.	3.274E+04	3.330E+04	3.368E+04C	3.394E+04B	3.410E+04*	3.420E+04	3.427E+04	3.430E+04	3.432E+04	3.433E+04	3.434E+04	2.899E+04
5230.	3.750E+04D	3.809E+04	3.850E+04	3.876E+04	3.893E+04	3.903E+04	3.910E+04	3.913E+04	3.915E+04	3.916E+04	3.917E+04	2.900E+04
6035.	4.165E+04	4.248E+04C	4.290E+04B	4.317E+04*	4.334E+04	4.344E+04	4.351E+04	4.354E+04	4.356E+04	4.358E+04	4.358E+04	3.434E+04
6840.	4.589E+04	4.684E+04	4.697E+04	4.724E+04	4.742E+04	4.752E+04	4.759E+04	4.762E+04	4.764E+04	4.765E+04	4.766E+04	3.917E+04
7644.	4.984E+04C	5.031E+04B	5.075E+04*	5.103E+04	5.121E+04	5.131E+04	5.139E+04	5.141E+04	5.143E+04	5.144E+04	5.145E+04	4.358E+04
8451.	5.377E+04B	5.447E+04	5.493E+04	5.522E+04	5.540E+04	5.551E+04	5.557E+04	5.561E+04	5.563E+04	5.564E+04	5.564E+04	4.766E+04
10460.	5.505E+04	5.578E+04*	5.626E+04	5.655E+04	5.673E+04	5.684E+04	5.691E+04	5.694E+04	5.696E+04	5.697E+04	5.698E+04	5.984E+04
12470.	7.481E+04*	7.568E+04	7.607E+04	7.637E+04	7.655E+04	7.666E+04	7.673E+04	7.676E+04	7.678E+04	7.679E+04	7.680E+04	6.98E+04
14890.	8.354E+04	8.433E+04	8.483E+04	8.514E+04	8.532E+04	8.543E+04	8.550E+04	8.553E+04	8.555E+04	8.556E+04	8.557E+04	7.680E+04
18110.	9.924E+04	1.001E+05	1.006E+05	1.009E+05	1.011E+05	1.012E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	8.557E+04
22130.	1.129E+05	1.138E+05	1.143E+05	1.146E+05	1.148E+05	1.149E+05	1.150E+05	1.150E+05	1.150E+05	1.150E+05	1.151E+05	1.013E+05
26150.	1.250E+05	1.259E+05	1.264E+05	1.267E+05	1.269E+05	1.270E+05	1.271E+05	1.271E+05	1.271E+05	1.272E+05	1.272E+05	1.151E+05
30180.	1.359E+05	1.368E+05	1.374E+05	1.377E+05	1.379E+05	1.380E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.272E+05
36210.	1.635E+05	1.644E+05	1.649E+05	1.653E+05	1.654E+05	1.656E+05	1.656E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.381E+05
44280.	1.872E+05	1.881E+05	1.887E+05	1.890E+05	1.892E+05	1.893E+05	1.894E+05	1.894E+05	1.894E+05	1.894E+05	1.894E+05	1.657E+05
52300.	2.097E+05	2.107E+05	2.113E+05	2.116E+05	2.118E+05	2.119E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	1.894E+05
60350.	2.300E+05	2.310E+05	2.315E+05	2.319E+05	2.321E+05	2.322E+05	2.322E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	1.894E+05
68400.	2.463E+05	2.473E+05	2.478E+05	2.482E+05	2.484E+05	2.485E+05	2.485E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.323E+05
76440.	2.612E+05	2.622E+05	2.628E+05	2.631E+05	2.633E+05	2.634E+05	2.635E+05	2.635E+05	2.635E+05	2.635E+05	2.635E+05	2.486E+05
84490.	2.748E+05	2.758E+05	2.764E+05	2.767E+05	2.769E+05	2.770E+05	2.771E+05	2.771E+05	2.771E+05	2.771E+05	2.771E+05	2.635E+05
92540.	2.873E+05	2.883E+05	2.889E+05	2.892E+05	2.894E+05	2.895E+05	2.896E+05	2.896E+05	2.896E+05	2.897E+05	2.897E+05	2.771E+05
104600.	3.089E+05	3.099E+05	3.105E+05	3.108E+05	3.110E+05	3.111E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	2.897E+05
124700.	3.322E+05	3.332E+05	3.338E+05	3.341E+05	3.343E+05	3.344E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.112E+05
148900.	3.509E+05	3.519E+05	3.525E+05	3.528E+05	3.530E+05	3.531E+05	3.532E+05	3.532E+05	3.532E+05	3.532E+05	3.532E+05	3.345E+05
201200.	3.965E+05	3.975E+05	3.981E+05	3.985E+05	3.987E+05	3.988E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.532E+05
281600.	4.334E+05	4.345E+05	4.351E+05	4.354E+05	4.356E+05	4.357E+05	4.358E+05	4.358E+05	4.358E+05	4.358E+05	4.358E+05	3.989E+05
442600.	5.057E+05	5.067E+05	5.073E+05	5.076E+05	5.078E+05	5.079E+05	5.080E+05	5.080E+05	5.081E+05	5.081E+05	5.081E+05	4.358E+05
684000.	5.456E+05	5.467E+05	5.472E+05	5.476E+05	5.478E+05	5.479E+05	5.479E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.081E+05

TABLE A.11.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.		8.070E+03B	8.072E+03*	8.072E+03	8.072E+03	8.073E+03	8.073E+03	8.073E+03	8.073E+03	8.073E+03	8.073E+03	8.073E+03
2012.		1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04	1.827E+04
2816.		2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04	2.292E+04
3621.		2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04	2.900E+04
4426.		3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04	3.434E+04
5230.		3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04	3.917E+04
6035.		4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04	4.359E+04
6840.		4.788E+04	4.788E+04	4.787E+04	4.787E+04	4.787E+04	4.787E+04	4.787E+04	4.787E+04	4.787E+04	4.787E+04	4.787E+04
7644.		5.145E+04	5.145E+04	5.146E+04	5.146E+04	5.146E+04	5.146E+04	5.146E+04	5.146E+04	5.146E+04	5.146E+04	5.146E+04
8851.		5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04	5.985E+04
10460.		6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04	6.698E+04
12470.		7.680E+04	7.680E+04	7.680E+04	7.681E+04	7.681E+04	7.681E+04	7.681E+04	7.681E+04	7.681E+04	7.681E+04	7.681E+04
14890.		8.557E+04	8.557E+04	8.558E+04	8.558E+04	8.558E+04	8.558E+04	8.558E+04	8.558E+04	8.558E+04	8.558E+04	8.558E+04
18110.		1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05	1.013E+05
22130.		1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05	1.151E+05
26150.		1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05	1.272E+05
30180.		1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05	1.381E+05
38210.		1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05	1.657E+05
44260.		1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05	1.895E+05
52300.		2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05	2.120E+05
60360.		2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05	2.323E+05
68400.		2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05	2.486E+05
76440.		2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05	2.636E+05
84490.		2.771E+05	2.771E+05	2.772E+05	2.772E+05	2.772E+05	2.772E+05	2.772E+05	2.772E+05	2.772E+05	2.772E+05	2.772E+05
92540.		2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05	2.897E+05
104600.		3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05	3.112E+05
124700.		3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05	3.345E+05
148900.		3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05	3.633E+05
201200.		3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05	3.989E+05
281600.		4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05	4.368E+05
442600.		5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05	5.081E+05
684000.		5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05	5.480E+05

TABLE A.11.2.

[illegible]

TABLE A.12.1. Early Dose for Pasquill D, 4.0 m/sec, Release Term is SST3:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
1000												

TABLE A.12.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	5.318E+00	4.915E+00	4.499E+00	4.077E+00	3.656E+00	3.241E+00	2.839E+00	2.455E+00	2.093E+00	1.759E+00	1.455E+00	1.155E+00
1207.	1.597E+00	1.355E+00	1.127E+00	9.180E-01	7.305E-01	5.671E-01	4.285E-01	3.145E-01	2.235E-01	1.635E-01	1.014E-01	5.145E-02
2012.	5.901E-01	4.681E-01	3.576E-01	2.657E-01	1.908E-01	1.320E-01	8.757E-02	5.564E-02	3.351E-02	1.912E-02	1.028E-02	5.285E-03
2816.	2.947E-01	2.215E-01	1.607E-01	1.121E-01	7.504E-02	4.796E-02	2.913E-02	1.673E-02	9.027E-03	4.546E-03	2.117E-03	1.028E-03
3621.	1.749E-01	1.288E-01	8.830E-02	5.886E-02	3.741E-02	2.268E-02	1.284E-02	6.852E-03	3.404E-03	1.578E-03	6.727E-04	3.217E-04
4428.	1.150E-01	8.106E-02	5.489E-02	3.518E-02	2.148E-02	1.238E-02	6.894E-03	3.395E-03	1.601E-03	6.890E-04	2.675E-04	1.238E-04
5230.	8.101E-02	5.581E-02	3.689E-02	2.291E-02	1.363E-02	7.507E-03	3.931E-03	1.907E-03	8.482E-04	3.421E-04	1.238E-04	4.681E-05
6036.	5.983E-02	4.044E-02	2.602E-02	1.587E-02	9.128E-03	4.955E-03	2.499E-03	1.161E-03	4.916E-04	1.876E-04	6.361E-05	2.170E-05
6840.	4.580E-02	3.042E-02	1.919E-02	1.144E-02	6.465E-03	3.410E-03	1.666E-03	7.474E-04	3.046E-04	1.114E-04	3.623E-05	1.008E-05
7644.	3.612E-02	2.364E-02	1.467E-02	8.625E-03	4.760E-03	2.445E-03	1.180E-03	5.029E-04	1.975E-04	6.987E-05	2.170E-05	5.096E-06
8651.	2.651E-02	1.703E-02	1.034E-02	5.904E-03	3.151E-03	1.671E-03	7.205E-04	3.009E-04	1.130E-04	3.774E-05	1.103E-05	2.170E-05
10460.	1.857E-02	1.167E-02	6.915E-03	3.839E-03	1.985E-03	9.478E-04	4.182E-04	1.871E-04	5.966E-05	1.875E-05	5.096E-06	2.170E-05
12470.	1.270E-02	7.807E-03	4.508E-03	2.431E-03	1.216E-03	5.598E-04	2.359E-04	8.996E-05	3.044E-05	8.992E-06	2.276E-06	5.096E-06
14890.	8.600E-03	5.164E-03	2.905E-03	1.521E-03	7.382E-04	3.264E-04	1.319E-04	4.796E-05	1.538E-05	4.273E-06	1.008E-06	2.170E-05
18110.	5.561E-03	3.255E-03	1.778E-03	9.007E-04	4.198E-04	1.784E-04	6.838E-05	2.353E-05	7.117E-06	1.851E-06	4.050E-07	1.584E-07
22130.	3.534E-03	2.013E-03	1.067E-03	5.221E-04	2.340E-04	9.508E-05	3.484E-05	1.125E-05	3.198E-06	7.750E-07	1.584E-07	7.050E-08
26150.	2.394E-03	1.334E-03	6.890E-04	3.278E-04	1.423E-04	5.583E-05	1.976E-05	6.151E-06	1.652E-06	3.758E-07	7.050E-08	1.452E-08
30180.	1.705E-03	9.308E-04	4.703E-04	2.182E-04	9.213E-05	3.537E-05	1.208E-05	3.698E-06	9.229E-07	1.994E-07	3.540E-08	7.050E-08
38210.	1.109E-03	5.908E-04	2.903E-04	1.305E-04	5.316E-05	9.911E-06	6.290E-06	1.788E-06	4.339E-07	8.799E-08	1.452E-08	3.540E-08
44260.	6.814E-04	3.530E-04	1.680E-04	7.279E-05	2.845E-05	9.911E-06	3.037E-06	8.111E-07	1.851E-07	3.495E-08	7.050E-08	1.452E-08
52300.	4.478E-04	2.261E-04	1.047E-04	4.399E-05	1.661E-05	5.587E-06	1.654E-06	4.225E-07	9.079E-08	1.603E-08	3.540E-08	7.050E-08
60360.	3.094E-04	1.531E-04	6.923E-05	2.839E-05	1.039E-05	3.405E-06	9.712E-07	2.369E-07	4.839E-08	.000E+00	.000E+00	.000E+00
68400.	2.232E-04	1.083E-04	4.790E-05	1.911E-05	6.863E-06	2.184E-06	6.010E-07	1.409E-07	2.758E-08	.000E+00	.000E+00	.000E+00
76440.	1.665E-04	7.950E-05	3.452E-05	1.358E-05	4.763E-06	1.467E-06	3.904E-07	8.817E-08	1.656E-08	.000E+00	.000E+00	.000E+00
84490.	1.271E-04	5.977E-05	2.557E-05	9.878E-06	3.387E-06	1.018E-06	2.637E-07	5.786E-08	1.058E-08	.000E+00	.000E+00	.000E+00
92540.	9.915E-05	4.597E-05	1.942E-05	7.355E-06	2.469E-06	7.241E-07	1.827E-07	3.919E-08	.000E+00	.000E+00	.000E+00	.000E+00
104600.	7.026E-05	3.203E-05	1.319E-05	4.863E-06	1.594E-06	4.548E-07	1.112E-07	2.282E-08	.000E+00	.000E+00	.000E+00	.000E+00
124700.	4.188E-05	1.857E-05	7.412E-06	2.634E-06	8.233E-07	2.232E-07	6.199E-08	1.018E-08	.000E+00	.000E+00	.000E+00	.000E+00
148900.	2.423E-05	1.042E-05	4.020E-06	1.375E-06	4.115E-07	1.063E-07	2.349E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	1.010E-05	4.111E-06	1.488E-06	4.739E-07	1.309E-07	3.087E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
261600.	4.134E-06	1.567E-06	5.237E-07	1.624E-07	3.805E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	1.155E-06	4.019E-07	1.218E-07	3.173E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	2.814E-07	8.972E-08	2.460E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.12.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)												
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.184E+008	9.463E-01*	7.418E-01*	5.697E-01*	4.279E-01	4.279E-01	3.138E-01	2.243E-01	1.560E-01	1.062E-01	.000E+00	.000E+00	.000E+00
1207.	6.425E-02	3.887E-02	2.235E-02	1.214E-02	6.167E-03	6.167E-03	2.939E-03	1.289E-03	5.171E-04	1.873E-04	6.871E-02	4.330E-02	.000E+00
2012.	5.137E-03	2.381E-03	1.011E-03	3.891E-04	1.338E-04	1.338E-04	4.137E-05	1.122E-05	2.519E-06	4.537E-07	6.422E-05	1.873E-05	.000E+00
2818.	9.032E-04	3.579E-04	1.265E-04	3.895E-05	1.022E-05	1.022E-05	2.232E-06	3.929E-07	5.372E-08	.000E+00	.000E+00	.000E+00	.000E+00
3621.	2.578E-04	8.754E-05	2.587E-05	6.520E-06	1.366E-06	1.366E-06	2.305E-07	3.021E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4428.	9.237E-05	2.790E-05	7.230E-06	1.569E-06	2.799E-07	2.799E-07	3.887E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	3.928E-05	1.082E-05	2.550E-06	4.925E-07	7.533E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6036.	1.900E-05	4.878E-06	1.044E-06	1.808E-07	2.441E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	1.020E-05	2.430E-06	4.779E-07	7.531E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	6.808E-06	1.310E-06	2.424E-07	3.536E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	2.750E-06	5.710E-07	9.648E-08	1.276E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	1.177E-06	2.248E-07	3.422E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	4.824E-07	8.378E-08	1.148E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	1.973E-07	3.116E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	7.268E-08	1.037E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	2.557E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	1.062E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

ANGLE FROM CENTERLINE (DEGREES)

A-92

TABLE A.12.2. Early Dose for Pasquill D, 4.0 m/sec, Release Term is SST3:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																		
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0								
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	3.253E+00C	9.720E+00C	1.607E+01C	2.224E+01C	2.815E+01C	3.374E+01C	3.898E+01C	4.377E+01C	4.814E+01C	5.204E+01C	5.548E+01B								
2012.	7.130E+00	2.129E+01	3.513E+01	4.848E+01	6.115E+01B	7.299E+01B	8.388E+01B	9.373E+01B	1.025E+02B	1.101E+02*	1.167E+02*								
2818.	1.055E+01B	3.149E+01B	5.191E+01B	7.149E+01B	8.998E+01	1.071E+02	1.228E+02	1.366E+02*	1.488E+02*	1.592E+02	1.680E+02								
3621.	1.366E+01	4.133E+01	6.807E+01	9.361E+01	1.176E+02*	1.396E+02*	1.595E+02*	1.771E+02	1.923E+02	2.052E+02	2.159E+02								
4426.	1.888E+01*	5.030E+01*	8.277E+01*	1.137E+02*	1.426E+02	1.690E+02	1.928E+02	2.134E+02	2.313E+02	2.462E+02	2.585E+02								
5230.	1.967E+01	5.862E+01	9.639E+01	1.323E+02	1.657E+02	1.961E+02	2.231E+02	2.468E+02	2.669E+02	2.838E+02	2.972E+02								
6035.	1.967E+01	6.377E+01	1.065E+02	1.470E+02	1.845E+02	2.186E+02	2.488E+02	2.749E+02	2.971E+02	3.154E+02	3.302E+02								
6840.	1.967E+01	6.862E+01	1.160E+02	1.607E+02	2.022E+02	2.396E+02	2.727E+02	3.012E+02	3.252E+02	3.449E+02	3.606E+02								
7644.	1.967E+01	7.318E+01	1.249E+02	1.737E+02	2.187E+02	2.593E+02	2.950E+02	3.257E+02	3.513E+02	3.723E+02	3.890E+02								
8651.	1.967E+01	8.319E+01	1.444E+02	2.021E+02	2.560E+02	3.024E+02	3.438E+02	3.790E+02	4.092E+02	4.317E+02	4.503E+02								
10460.	1.967E+01	9.231E+01	1.622E+02	2.278E+02	2.879E+02	3.413E+02	3.877E+02	4.270E+02	4.592E+02	4.850E+02	5.051E+02								
12470.	1.967E+01	1.047E+02	1.864E+02	2.628E+02	3.323E+02	3.939E+02	4.470E+02	4.914E+02	5.276E+02	5.563E+02	5.783E+02								
14890.	1.967E+01	1.159E+02	2.082E+02	2.943E+02	3.724E+02	4.412E+02	5.001E+02	5.491E+02	5.887E+02	6.197E+02	6.434E+02								
18110.	1.967E+01	1.363E+02	2.479E+02	3.516E+02	4.449E+02	5.265E+02	5.968E+02	6.527E+02	6.981E+02	7.332E+02	7.595E+02								
22130.	1.967E+01	1.543E+02	2.828E+02	4.017E+02	5.084E+02	6.010E+02	6.790E+02	7.426E+02	7.928E+02	8.312E+02	8.597E+02								
26150.	1.967E+01	1.703E+02	3.138E+02	4.462E+02	5.645E+02	6.668E+02	7.523E+02	8.216E+02	8.758E+02	9.170E+02	9.472E+02								
30180.	1.967E+01	1.848E+02	3.419E+02	4.866E+02	6.154E+02	7.263E+02	8.188E+02	8.928E+02	9.506E+02	9.940E+02	1.028E+03								
36210.	1.967E+01	2.214E+02	4.127E+02	5.880E+02	7.429E+02	8.750E+02	9.837E+02	1.070E+03	1.136E+03	1.185E+03	1.220E+03								
44260.	1.967E+01	2.529E+02	4.737E+02	6.751E+02	8.522E+02	1.002E+03	1.125E+03	1.221E+03	1.294E+03	1.347E+03	1.385E+03								
52300.	1.967E+01	2.829E+02	5.315E+02	7.576E+02	9.564E+02	1.122E+03	1.257E+03	1.362E+03	1.441E+03	1.498E+03	1.538E+03								
60350.	1.967E+01	3.097E+02	5.833E+02	8.313E+02	1.048E+03	1.229E+03	1.375E+03	1.488E+03	1.572E+03	1.632E+03	1.674E+03								
68400.	1.967E+01	3.310E+02	6.248E+02	8.904E+02	1.121E+03	1.314E+03	1.468E+03	1.587E+03	1.676E+03	1.738E+03	1.781E+03								
76440.	1.967E+01	3.510E+02	6.626E+02	9.441E+02	1.188E+03	1.391E+03	1.553E+03	1.678E+03	1.769E+03	1.834E+03	1.879E+03								
84490.	1.967E+01	3.688E+02	6.969E+02	9.927E+02	1.249E+03	1.461E+03	1.630E+03	1.759E+03	1.854E+03	1.920E+03	1.966E+03								
92540.	1.967E+01	3.851E+02	7.283E+02	1.037E+03	1.304E+03	1.525E+03	1.700E+03	1.833E+03	1.930E+03	1.999E+03	2.045E+03								
104600.	1.967E+01	4.131E+02	7.820E+02	1.113E+03	1.398E+03	1.633E+03	1.819E+03	1.959E+03	2.061E+03	2.132E+03	2.179E+03								
124700.	1.967E+01	4.469E+02	8.469E+02	1.205E+03	1.512E+03	1.764E+03	1.981E+03	2.110E+03	2.216E+03	2.290E+03	2.340E+03								
148900.	1.967E+01	4.739E+02	8.986E+02	1.278E+03	1.602E+03	1.867E+03	2.074E+03	2.228E+03	2.339E+03	2.415E+03	2.465E+03								
201200.	1.967E+01	5.391E+02	1.023E+03	1.453E+03	1.818E+03	2.112E+03	2.340E+03	2.508E+03	2.627E+03	2.707E+03	2.760E+03								
281600.	1.967E+01	5.915E+02	1.123E+03	1.593E+03	1.989E+03	2.306E+03	2.549E+03	2.726E+03	2.850E+03	2.933E+03	2.987E+03								
442600.	1.967E+01	6.928E+02	1.314E+03	1.859E+03	2.313E+03	2.671E+03	2.941E+03	3.134E+03	3.267E+03	3.354E+03	3.410E+03								
684000.	1.967E+01	7.483E+02	1.419E+03	2.005E+03	2.489E+03	2.868E+03	3.151E+03	3.352E+03	3.499E+03	3.578E+03	3.635E+03								

TABLE A.12.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00D	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00C	.000E+00B	.000E+00B
1207.	5.844E+01B	6.096E+01B	6.308E+01B	6.477E+01*	6.612E+01*	6.718E+01*	6.798E+01	6.858E+01	6.898E+01	6.928E+01	6.945E+01	6.945E+01
2012.	1.222E+02*	1.267E+02	1.303E+02	1.332E+02	1.353E+02	1.370E+02	1.381E+02	1.389E+02	1.395E+02	1.399E+02	1.401E+02	1.401E+02
2816.	1.753E+02	1.811E+02	1.857E+02	1.892E+02	1.919E+02	1.938E+02	1.951E+02	1.960E+02	1.966E+02	1.970E+02	1.973E+02	1.973E+02
3621.	2.246E+02	2.315E+02	2.368E+02	2.408E+02	2.437E+02	2.458E+02	2.473E+02	2.483E+02	2.489E+02	2.493E+02	2.498E+02	2.498E+02
4426.	2.883E+02	2.760E+02	2.619E+02	2.462E+02	2.294E+02	2.118E+02	1.931E+02	1.734E+02	1.528E+02	1.314E+02	1.092E+02	1.092E+02
5230.	3.080E+02	3.164E+02	3.227E+02	3.273E+02	3.306E+02	3.329E+02	3.344E+02	3.355E+02	3.361E+02	3.366E+02	3.368E+02	3.368E+02
6035.	3.418E+02	3.507E+02	3.573E+02	3.621E+02	3.656E+02	3.679E+02	3.695E+02	3.706E+02	3.712E+02	3.717E+02	3.719E+02	3.719E+02
6840.	3.729E+02	3.823E+02	3.892E+02	3.943E+02	3.978E+02	4.002E+02	4.018E+02	4.029E+02	4.036E+02	4.040E+02	4.042E+02	4.042E+02
7644.	4.019E+02	4.117E+02	4.189E+02	4.240E+02	4.276E+02	4.301E+02	4.317E+02	4.328E+02	4.335E+02	4.339E+02	4.342E+02	4.342E+02
8651.	4.644E+02	4.750E+02	4.827E+02	4.881E+02	4.919E+02	4.944E+02	4.961E+02	4.972E+02	4.979E+02	4.983E+02	4.986E+02	4.986E+02
10460.	5.203E+02	5.316E+02	5.398E+02	5.453E+02	5.491E+02	5.517E+02	5.534E+02	5.545E+02	5.552E+02	5.556E+02	5.559E+02	5.559E+02
12470.	5.948E+02	6.068E+02	6.153E+02	6.212E+02	6.252E+02	6.278E+02	6.296E+02	6.307E+02	6.314E+02	6.318E+02	6.320E+02	6.320E+02
14890.	6.609E+02	6.735E+02	6.824E+02	6.885E+02	6.925E+02	6.952E+02	6.970E+02	6.981E+02	6.988E+02	6.992E+02	6.994E+02	6.994E+02
18110.	7.787E+02	7.923E+02	8.017E+02	8.080E+02	8.122E+02	8.149E+02	8.167E+02	8.178E+02	8.185E+02	8.190E+02	8.192E+02	8.192E+02
22130.	8.801E+02	8.946E+02	9.043E+02	9.108E+02	9.151E+02	9.179E+02	9.196E+02	9.208E+02	9.215E+02	9.219E+02	9.221E+02	9.221E+02
26150.	9.687E+02	9.836E+02	9.937E+02	1.000E+03	1.005E+03	1.008E+03	1.009E+03	1.010E+03	1.011E+03	1.012E+03	1.012E+03	1.012E+03
30180.	1.048E+03	1.063E+03	1.074E+03	1.081E+03	1.085E+03	1.088E+03	1.089E+03	1.091E+03	1.091E+03	1.092E+03	1.092E+03	1.092E+03
36210.	1.244E+03	1.261E+03	1.272E+03	1.279E+03	1.283E+03	1.286E+03	1.288E+03	1.289E+03	1.290E+03	1.290E+03	1.290E+03	1.290E+03
44260.	1.410E+03	1.428E+03	1.439E+03	1.446E+03	1.450E+03	1.453E+03	1.455E+03	1.456E+03	1.457E+03	1.457E+03	1.458E+03	1.458E+03
52300.	1.585E+03	1.583E+03	1.594E+03	1.602E+03	1.608E+03	1.609E+03	1.611E+03	1.612E+03	1.613E+03	1.613E+03	1.614E+03	1.614E+03
60350.	1.702E+03	1.720E+03	1.732E+03	1.739E+03	1.744E+03	1.747E+03	1.749E+03	1.750E+03	1.750E+03	1.751E+03	1.751E+03	1.751E+03
68440.	1.810E+03	1.829E+03	1.841E+03	1.848E+03	1.853E+03	1.856E+03	1.858E+03	1.859E+03	1.859E+03	1.860E+03	1.860E+03	1.860E+03
84490.	1.908E+03	1.927E+03	1.939E+03	1.948E+03	1.951E+03	1.954E+03	1.956E+03	1.957E+03	1.958E+03	1.958E+03	1.958E+03	1.958E+03
92540.	1.998E+03	2.015E+03	2.027E+03	2.034E+03	2.039E+03	2.042E+03	2.044E+03	2.045E+03	2.046E+03	2.046E+03	2.046E+03	2.046E+03
104600.	2.075E+03	2.095E+03	2.107E+03	2.114E+03	2.119E+03	2.122E+03	2.124E+03	2.125E+03	2.126E+03	2.126E+03	2.126E+03	2.126E+03
124700.	2.210E+03	2.230E+03	2.242E+03	2.250E+03	2.255E+03	2.258E+03	2.260E+03	2.261E+03	2.261E+03	2.262E+03	2.262E+03	2.262E+03
148900.	2.371E+03	2.391E+03	2.404E+03	2.412E+03	2.418E+03	2.419E+03	2.421E+03	2.422E+03	2.423E+03	2.423E+03	2.424E+03	2.424E+03
201200.	2.498E+03	2.518E+03	2.530E+03	2.538E+03	2.543E+03	2.546E+03	2.549E+03	2.549E+03	2.549E+03	2.550E+03	2.550E+03	2.550E+03
281600.	2.793E+03	2.814E+03	2.826E+03	2.834E+03	2.839E+03	2.842E+03	2.844E+03	2.845E+03	2.845E+03	2.846E+03	2.846E+03	2.846E+03
362100.	3.021E+03	3.042E+03	3.055E+03	3.063E+03	3.067E+03	3.070E+03	3.072E+03	3.073E+03	3.074E+03	3.074E+03	3.075E+03	3.075E+03
442600.	3.446E+03	3.466E+03	3.479E+03	3.487E+03	3.491E+03	3.494E+03	3.496E+03	3.497E+03	3.498E+03	3.498E+03	3.499E+03	3.499E+03
684000.	3.670E+03	3.691E+03	3.704E+03	3.711E+03	3.715E+03	3.719E+03	3.721E+03	3.722E+03	3.723E+03	3.723E+03	3.724E+03	3.724E+03

TABLE A.12.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)													
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
DIST (METERS)	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	604.	.000E+00B	.000E+00*	.000E+00*	.000E+00*	.000E+00*	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
5	1207.	6.957E+01	6.984E+01	6.988E+01	6.971E+01	6.972E+01	6.972E+01	6.972E+01	6.973E+01	6.973E+01	6.973E+01	6.973E+01	
	2012.	1.402E+02	1.403E+02	1.404E+02	1.404E+02	1.404E+02	1.404E+02	1.404E+02	1.404E+02	1.404E+02	1.404E+02	1.404E+02	
	2816.	1.974E+02	1.975E+02	1.976E+02	1.978E+02	1.978E+02	1.978E+02	1.978E+02	1.978E+02	1.978E+02	1.978E+02	1.978E+02	
	3621.	2.497E+02	2.498E+02	2.498E+02	2.499E+02	2.499E+02	2.499E+02	2.499E+02	2.499E+02	2.499E+02	2.499E+02	2.499E+02	
	4426.	2.956E+02	2.957E+02	2.957E+02	2.957E+02	2.957E+02	2.958E+02	2.958E+02	2.958E+02	2.958E+02	2.958E+02	2.958E+02	
	5230.	3.370E+02	3.370E+02	3.371E+02	3.371E+02	3.371E+02	3.371E+02	3.371E+02	3.371E+02	3.371E+02	3.371E+02	3.371E+02	
	6035.	3.721E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	3.722E+02	
	6840.	4.044E+02	4.045E+02	4.045E+02	4.046E+02	4.046E+02	4.046E+02	4.046E+02	4.046E+02	4.046E+02	4.046E+02	4.046E+02	
	7644.	4.343E+02	4.344E+02	4.344E+02	4.345E+02	4.345E+02	4.345E+02	4.345E+02	4.345E+02	4.345E+02	4.345E+02	4.345E+02	
	8851.	4.987E+02	4.988E+02	4.988E+02	4.989E+02	4.989E+02	4.989E+02	4.989E+02	4.989E+02	4.989E+02	4.989E+02	4.989E+02	
	10460.	5.560E+02	5.561E+02	5.562E+02	5.562E+02	5.562E+02	5.562E+02	5.562E+02	5.562E+02	5.562E+02	5.562E+02	5.562E+02	
	12470.	6.322E+02	6.323E+02	6.323E+02	6.323E+02	6.324E+02	6.324E+02	6.324E+02	6.324E+02	6.324E+02	6.324E+02	6.324E+02	
	14890.	6.998E+02	6.997E+02	6.997E+02	6.998E+02	6.998E+02	6.998E+02	6.998E+02	6.998E+02	6.998E+02	6.998E+02	6.998E+02	
	18110.	8.194E+02	8.194E+02	8.195E+02	8.195E+02	8.195E+02	8.195E+02	8.195E+02	8.195E+02	8.195E+02	8.195E+02	8.195E+02	
	22130.	9.223E+02	9.224E+02	9.224E+02	9.224E+02	9.225E+02	9.225E+02	9.225E+02	9.225E+02	9.225E+02	9.225E+02	9.225E+02	
	30180.	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	1.012E+03	
36210.	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03	1.092E+03		
44260.	1.290E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03	1.291E+03		
52300.	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03	1.458E+03		
60350.	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03	1.614E+03		
68400.	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03	1.751E+03		
76440.	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03	1.860E+03		
84490.	1.958E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03	1.959E+03		
92540.	2.046E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03	2.047E+03		
104600.	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03	2.127E+03		
124700.	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03	2.262E+03		
148900.	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03	2.424E+03		
168900.	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03	2.550E+03		
201200.	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03	2.846E+03		
281600.	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03	3.075E+03		
442600.	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03	3.499E+03		
684000.	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03	3.724E+03		

TABLE A.12.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01	6.973E-01
2012.		1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02	1.404E-02
2818.		1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02	1.976E-02
3621.		2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02	2.499E-02
4426.		2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02	2.958E-02
5230.		3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02	3.371E-02
6035.		3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02	3.722E-02
6840.		4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02	4.046E-02
7644.		4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02	4.345E-02
8651.		4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02	4.989E-02
10460.		5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02	5.582E-02
12470.		6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02	6.324E-02
14890.		6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02	6.998E-02
18110.		8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02	8.195E-02
22130.		9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02	9.225E-02
26160.		1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03	1.012E-03
30180.		1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03	1.092E-03
36210.		1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03	1.291E-03
44260.		1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03	1.458E-03
52300.		1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03	1.614E-03
60350.		1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03	1.751E-03
68400.		1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03	1.860E-03
76440.		1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03	1.959E-03
84490.		2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03	2.047E-03
92540.		2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03	2.127E-03
104600.		2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03	2.262E-03
124700.		2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03	2.424E-03
148900.		2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03	2.550E-03
201200.		2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03	2.846E-03
281600.		3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03	3.075E-03
442600.		3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03	3.499E-03
684000.		3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03	3.724E-03

TABLE A.13.1. Early Dose for Pasquill E, 3.0 m/sec, Release Term is SST1:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)												
DIST (METERS)	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	9.541E+04	9.488E+04	9.252E+04	8.903E+04	8.434E+04	7.864E+04	7.217E+04	6.515E+04	5.784E+04	5.049E+04	4.330E+04	
1207.	4.587E+04	4.498E+04	4.289E+04	3.964E+04	3.547E+04	3.072E+04	2.573E+04	2.083E+04	1.627E+04	1.225E+04	8.872E+03	
2012.	2.451E+04	2.396E+04	2.236E+04	1.993E+04	1.695E+04	1.373E+04	1.059E+04	7.757E+03	5.399E+03	3.541E+03	2.195E+03	
2816.	1.580E+04	1.536E+04	1.412E+04	1.227E+04	1.008E+04	7.780E+03	5.661E+03	3.867E+03	2.474E+03	1.477E+03	8.201E+02	
3621.	1.122E+04	1.087E+04	9.884E+03	8.425E+03	6.727E+03	5.022E+03	3.498E+03	2.268E+03	1.364E+03	7.581E+02	3.876E+02	
4426.	8.483E+03	8.194E+03	7.383E+03	6.200E+03	4.846E+03	3.520E+03	2.369E+03	1.474E+03	8.444E+02	4.434E+02	2.124E+02	
5230.	6.687E+03	6.443E+03	5.763E+03	4.781E+03	3.673E+03	2.608E+03	1.707E+03	1.027E+03	5.651E+02	2.833E+02	1.286E+02	
6035.	5.435E+03	5.226E+03	4.845E+03	4.133E+03	3.287E+03	2.011E+03	1.285E+03	7.510E+02	3.998E+02	1.925E+02	8.351E+01	
6840.	4.523E+03	4.341E+03	3.838E+03	3.123E+03	2.334E+03	1.599E+03	1.001E+03	5.706E+02	2.947E+02	1.372E+02	5.721E+01	
7644.	3.833E+03	3.674E+03	3.233E+03	2.609E+03	1.929E+03	1.302E+03	8.008E+02	4.465E+02	2.247E+02	1.015E+02	4.088E+01	
8651.	3.066E+03	2.933E+03	2.565E+03	2.050E+03	1.493E+03	9.898E+02	5.945E+02	3.224E+02	1.570E+02	6.892E+01	2.627E+01H	
10460.	2.372E+03	2.264E+03	1.966E+03	1.563E+03	1.113E+03	7.218E+02	4.221E+02	2.216E+02	1.038E+02	4.316E+01	1.578E+01F	
12470.	1.798E+03	1.711E+03	1.476E+03	1.151E+03	8.111E+02	5.144E+02	2.928E+02	1.485E+02	6.897E+01	2.663E+01H	9.194E+00	
14890.	1.354E+03	1.285E+03	1.100E+03	8.478E+02	5.868E+02	3.637E+02	2.010E+02	9.857E+01	4.262E+01	1.613E+01F	5.293E+00	
18110.	9.784E+02	9.268E+02	7.888E+02	5.982E+02	4.082E+02	2.456E+02	1.316E+02	6.216E+01	2.571E+01H	9.240E+00	2.857E+00C	
22130.	6.984E+02	6.578E+02	5.541E+02	4.158E+02	2.768E+02	1.632E+02	8.477E+01	3.858E+01	1.525E+01F	5.201E+00	1.513E+00B	
26150.	5.204E+02	4.904E+02	4.101E+02	3.039E+02	1.990E+02	1.148E+02	5.800E+01	2.554E+01H	9.720E+00	3.170E+00	8.769E+01	
30180.	4.029E+02	3.788E+02	3.148E+02	2.309E+02	1.490E+02	8.432E+01	4.162E+01	1.781E+01F	6.534E+00	2.056E+00C	6.436E+01*	
36210.	2.860E+02	2.683E+02	2.213E+02	1.603E+02	1.016E+02	5.617E+01	2.893E+01H	1.113E+01E	3.929E+00	1.333E+00B	2.938E+01	
44260.	1.944E+02	1.818E+02	1.487E+02	1.061E+02	6.593E+01	3.549E+01H	1.646E+01F	6.534E+00	2.201E+00C	6.224E+01*	1.480E+01	
52300.	1.391E+02	1.298E+02	1.053E+02	7.425E+01	4.532E+01	2.384E+01G	1.075E+01E	4.122E+00	1.333E+00B	3.598E+01	8.000E+02	
60350.	1.033E+02	9.617E+01	7.755E+01	5.407E+01	3.249E+01H	1.675E+01F	7.365E+00	2.741E+00C	8.560E+01	2.217E+01	4.704E+02	
68440.	7.893E+01	7.334E+01	5.880E+01	4.060E+01	2.408E+01G	1.218E+01E	5.238E+00	1.898E+00	6.742E+01*	1.434E+01	2.917E+02	
76440.	6.167E+01	5.721E+01	4.583E+01	3.123E+01H	1.828E+01F	9.110E+00	3.840E+00	1.358E+00B	3.995E+01	9.654E+02	1.891E+02	
84490.	4.907E+01	4.544E+01	3.807E+01	2.449E+01G	1.418E+01	6.983E+00	2.882E+00	9.978E+01	2.860E+01	6.708E+02	1.270E+02	
92540.	3.985E+01	3.667E+01	2.898E+01H	1.953E+01F	1.119E+01E	5.421E+00	2.207E+00C	7.487E+01	2.086E+01	4.782E+02	8.771E+03	
104800.	2.921E+01H	2.697E+01H	2.120E+01G	1.410E+01E	8.005E+00	3.812E+00	1.519E+00B	5.023E+01*	1.384E+01	3.002E+02	5.283E+03	
124700.	1.847E+01F	1.700E+01F	1.326E+01E	8.737E+00	4.848E+00	2.252E+00C	8.700E+01*	2.770E+01	7.189E+02	1.502E+02	2.485E+03	
148900.	1.138E+01E	1.044E+01E	8.070E+00	5.237E+00	2.843E+00C	1.284E+00B	4.788E+01	1.461E+01	3.610E+02	7.118E+03	1.103E+03	
201200.	4.273E+00C	3.905E+00C	2.979E+00C	1.892E+00B	9.958E+01*	4.316E+01	1.528E+01	4.373E+02	9.995E+03	1.797E+03	2.499E+04	
281800.	1.261E+00B	1.147E+00B	8.621E+01*	5.337E+01*	2.708E+01	1.118E+01	3.721E+02	9.874E+03	2.060E+03	3.323E+04	4.069E+05	
442600.	1.028E+01	9.387E+02	7.119E+02	4.449E+02	2.264E+02	9.249E+03	2.987E+03	7.504E+04	1.441E+04	2.076E+05	2.195E+06	
684000.	.000E+00	7.833E+03	5.775E+03	3.442E+03	1.638E+03	6.131E+04	1.777E+04	3.918E+05	6.450E+06	7.784E+07	6.675E+08	

TABLE A.13.1. (Continued)

DIST (METERS)		ANGLE FROM CENTERLINE (DEGREES)										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	3.648E-04	3.017E-04	2.448E-04	1.947E-04	1.518E-04	1.159E-04	8.655E-05	6.320E-05	4.508E-05	3.138E-05	2.130E-05H	1.046E-05E
1207.	6.176E-03	4.123E-03	2.634E-03	1.606E-03	9.322E-04	5.137E-04	2.878E-04H	1.315E-04H	6.066E-05H	2.613E-05H	1.046E-05E	6.321E-02
2012.	1.279E-03	6.984E-02	3.557E-02	1.682E-02	7.344E-03H	2.942E-03H	1.074E-03E	3.546E-04C	1.049E-04B	2.750E-05	6.321E-02	1.635E-03
2816.	4.216E-02	1.997E-02	8.663E-01	3.420E-01H	1.219E-01E	3.890E-00C	1.100E-00B	2.727E-01	5.848E-02	1.069E-02	1.635E-03	1.023E-04
3621.	1.814E-02	7.720E-01	2.988E-01H	1.022E-01E	3.127E-00C	8.399E-01*	1.957E-01	3.903E-02	6.551E-03	9.116E-04	1.023E-04	1.086E-05
4426.	9.221E-01	3.605E-01H	1.259E-01E	3.888E-00C	1.052E-00B	2.459E-01	4.903E-02	8.227E-03	1.138E-03	1.259E-04	1.086E-05	1.687E-06
5230.	5.252E-01	1.915E-01F	6.178E-00D	1.745E-00B	4.268E-01	8.908E-02	1.571E-02	2.278E-03	2.657E-04	2.429E-05	1.687E-06	3.457E-07
6035.	3.237E-01H	1.113E-01E	3.357E-00C	8.792E-01*	1.974E-01	3.760E-02	5.929E-03	7.679E-04	7.668E-05	5.968E-06	3.457E-07	2.563E-08
6840.	2.119E-01Q	6.917E-00D	1.968E-00	4.825E-01	1.010E-01	1.765E-02	2.527E-03	2.899E-04	2.596E-05	1.761E-06	8.709E-08	2.563E-08
7644.	1.456E-01E	4.541E-00	1.227E-00B	2.848E-01	5.575E-02	9.038E-02	1.188E-03	1.237E-04	9.943E-06	5.968E-07	2.563E-08	.000E+00
8851.	8.868E-00	2.815E-00C	6.614E-01*	1.419E-01	2.643E-02	3.744E-03	4.414E-04	4.062E-05	2.832E-06	1.444E-07	.000E+00	.000E+00
10460.	6.032E+00D	1.384E+00B	3.242E-01	6.377E-02	1.036E-02	1.361E-03	1.421E-04	1.138E-05	6.775E-07	2.865E-08	.000E+00	.000E+00
12470.	2.758E+00C	7.068E-01*	1.528E-01	2.746E-02	4.024E-03	4.711E-04	4.306E-05	2.976E-06	1.497E-07	.000E+00	.000E+00	.000E+00
14890.	1.491E+00B	3.561E-01	7.110E-02	1.167E-02	1.545E-03	1.613E-04	1.294E-05	7.712E-07	3.278E-08	.000E+00	.000E+00	.000E+00
18110.	7.518E-01*	1.860E-01	3.034E-02	4.503E-03	5.920E-04	4.882E-05	3.383E-06	1.714E-07	.000E+00	.000E+00	.000E+00	.000E+00
22130.	3.714E-01	7.576E-02	1.264E-02	1.693E-03	1.778E-04	1.428E-05	6.509E-07	3.638E-08	.000E+00	.000E+00	.000E+00	.000E+00
26150.	2.031E-01	3.884E-02	6.028E-03	7.438E-04	7.138E-05	6.184E-06	2.758E-07	1.028E-08	.000E+00	.000E+00	.000E+00	.000E+00
30180.	1.198E-01	2.158E-02	3.135E-03	3.594E-04	3.173E-05	2.108E-06	1.010E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	6.061E-02	1.018E-02	1.359E-03	1.418E-04	1.126E-05	6.600E-07	2.762E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	2.802E-02	4.324E-03	5.261E-04	4.933E-05	3.471E-06	1.778E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	1.444E-02	2.078E-03	2.338E-04	9.132E-06	1.279E-06	5.854E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	8.050E-03	1.091E-03	1.147E-04	4.498E-06	2.454E-07	2.237E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	4.760E-03	6.113E-04	6.049E-05	4.498E-06	5.348E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	2.954E-03	3.611E-04	3.880E-05	2.374E-06	1.206E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	1.908E-03	2.232E-04	1.994E-05	1.324E-06	6.301E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	1.271E-03	1.428E-04	1.223E-05	7.703E-07	3.458E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	7.303E-04	7.772E-05	6.217E-06	3.840E-07	1.514E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	3.201E-04	3.140E-05	2.289E-06	1.205E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	1.318E-04	1.189E-06	7.889E-07	3.737E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	2.632E-05	2.051E-06	1.150E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	3.696E-06	2.428E-07	1.118E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	1.663E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.13.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	1.409E+03H	9.065E+02H	9.065E+02H	5.869E+02H	3.442E+02H	2.026E+02H	1.165E+02H	6.367E+01H	3.389E+01H	1.738E+01F	8.576E+00D	4.065E+00C
1207.	3.873E+00C	1.318E+00B	4.075E-01	1.141E-01	2.862E-02	6.363E-03	1.239E-03	2.086E-04	2.988E-05	3.655E-06	3.582E-07	
2012.	1.258E-02	2.124E-03	3.005E-04	3.481E-05	3.226E-06	2.342E-07	1.273E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2816.	2.054E-04	2.086E-05	1.637E-06	9.558E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.	8.957E-06	5.931E-07	2.859E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4428.	7.074E-07	3.350E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	8.594E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	1.430E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10480.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44280.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92640.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

ANGLE FROM CENTERLINE (DEGREES)

A-100

TABLE A.13.2. Early Dose for Pasquill E, 3.0 m/sec, Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																		
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0								
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00								
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00								
1207.	4.245E-04	1.260E-05	2.058E-05	2.795E-05	3.454E-05	4.026E-05	4.603E-05	4.991E-05	5.193E-05	5.421E-05	5.588E-05								
2012.	9.490E-04	2.810E-05	4.504E-05	6.164E-05	7.539E-05	8.698E-05	9.629E-05	1.035E-04	1.088E-04	1.126E-04	1.152E-04								
2816.	1.421E-05	4.199E-05	6.797E-05	9.120E-05	1.111E-04	1.273E-04	1.400E-04	1.495E-04	1.563E-04	1.610E-04	1.640E-04								
3621.	1.881E-05	5.550E-05	8.958E-05	1.197E-04	1.451E-04	1.684E-04	1.810E-04	1.923E-04	2.003E-04	2.056E-04	2.090E-04								
4426.	2.303E-05	6.789E-05	1.093E-04	1.458E-04	1.758E-04	1.997E-04	2.176E-04	2.304E-04	2.392E-04	2.449E-04	2.485E-04								
5230.	2.698E-05	7.944E-05	1.277E-04	1.690E-04	2.042E-04	2.311E-04	2.510E-04	2.651E-04	2.745E-04	2.806E-04	2.843E-04								
6035.	3.068E-05	9.028E-05	1.448E-04	1.920E-04	2.304E-04	2.601E-04	2.818E-04	2.968E-04	3.089E-04	3.131E-04	3.170E-04								
6840.	3.417E-05	1.004E-04	1.609E-04	2.129E-04	2.550E-04	2.871E-04	3.103E-04	3.263E-04	3.367E-04	3.433E-04	3.472E-04								
7644.	3.747E-05	1.101E-04	1.761E-04	2.326E-04	2.779E-04	3.123E-04	3.369E-04	3.536E-04	3.645E-04	3.712E-04	3.752E-04								
8851.	4.471E-05	1.312E-04	2.094E-04	2.755E-04	3.279E-04	3.670E-04	3.944E-04	4.127E-04	4.242E-04	4.313E-04	4.354E-04								
10480.	5.132E-05	1.504E-04	2.395E-04	3.143E-04	3.730E-04	4.161E-04	4.468E-04	4.653E-04	4.774E-04	4.847E-04	4.890E-04								
12470.	6.029E-05	1.764E-04	2.803E-04	3.666E-04	4.393E-04	4.815E-04	5.142E-04	5.352E-04	5.480E-04	5.555E-04	5.599E-04								
14690.	6.840E-05	2.000E-04	3.170E-04	4.134E-04	4.872E-04	5.398E-04	5.749E-04	5.970E-04	6.103E-04	6.181E-04	6.225E-04								
18110.	8.306E-05	2.424E-04	3.830E-04	4.974E-04	5.833E-04	6.433E-04	6.823E-04	7.063E-04	7.204E-04	7.264E-04	7.298E-04								
22130.	9.586E-05	2.794E-04	4.403E-04	5.700E-04	6.661E-04	7.320E-04	7.742E-04	7.996E-04	8.143E-04	8.225E-04	8.270E-04								
26150.	1.071E-04	3.118E-04	4.906E-04	6.334E-04	7.381E-04	8.090E-04	8.537E-04	8.802E-04	8.953E-04	9.038E-04	9.082E-04								
30180.	1.173E-04	3.411E-04	5.357E-04	6.901E-04	8.023E-04	8.775E-04	9.242E-04	9.516E-04	9.670E-04	9.755E-04	9.801E-04								
36210.	1.422E-04	4.128E-04	6.460E-04	8.284E-04	9.583E-04	1.043E-03	1.095E-03	1.124E-03	1.140E-03	1.149E-03	1.153E-03								
44260.	1.631E-04	4.728E-04	7.380E-04	9.432E-04	1.087E-03	1.180E-03	1.235E-03	1.266E-03	1.282E-03	1.291E-03	1.298E-03								
52300.	1.824E-04	5.261E-04	8.225E-04	1.048E-03	1.205E-03	1.304E-03	1.362E-03	1.394E-03	1.411E-03	1.420E-03	1.425E-03								
60350.	1.992E-04	5.760E-04	8.958E-04	1.139E-03	1.306E-03	1.411E-03	1.471E-03	1.504E-03	1.521E-03	1.530E-03	1.535E-03								
68400.	2.122E-04	6.133E-04	9.522E-04	1.209E-03	1.394E-03	1.493E-03	1.555E-03	1.588E-03	1.608E-03	1.615E-03	1.619E-03								
76440.	2.237E-04	6.461E-04	1.002E-03	1.271E-03	1.463E-03	1.595E-03	1.628E-03	1.662E-03	1.680E-03	1.699E-03	1.698E-03								
84490.	2.338E-04	6.749E-04	1.046E-03	1.324E-03	1.512E-03	1.627E-03	1.692E-03	1.726E-03	1.744E-03	1.753E-03	1.757E-03								
92540.	2.428E-04	7.005E-04	1.084E-03	1.372E-03	1.565E-03	1.692E-03	1.748E-03	1.782E-03	1.800E-03	1.809E-03	1.814E-03								
- 104600.	2.576E-04	7.428E-04	1.148E-03	1.450E-03	1.651E-03	1.772E-03	1.840E-03	1.875E-03	1.893E-03	1.902E-03	1.907E-03								
124700.	2.745E-04	7.908E-04	1.220E-03	1.538E-03	1.748E-03	1.873E-03	1.942E-03	1.978E-03	1.998E-03	2.005E-03	2.010E-03								
146900.	2.869E-04	8.261E-04	1.273E-03	1.603E-03	1.819E-03	1.947E-03	2.017E-03	2.053E-03	2.071E-03	2.080E-03	2.085E-03								
201200.	3.079E-04	8.853E-04	1.362E-03	1.710E-03	1.936E-03	2.068E-03	2.139E-03	2.176E-03	2.195E-03	2.203E-03	2.208E-03								
261600.	3.166E-04	9.097E-04	1.398E-03	1.753E-03	1.983E-03	2.117E-03	2.189E-03	2.225E-03	2.243E-03	2.253E-03	2.257E-03								
442600.	3.199E-04	9.192E-04	1.412E-03	1.770E-03	2.001E-03	2.117E-03	2.196E-03	2.225E-03	2.244E-03	2.252E-03	2.257E-03								
684000.	3.199E-04	9.193E-04	1.414E-03	1.772E-03	2.003E-03	2.138E-03	2.210E-03	2.246E-03	2.265E-03	2.274E-03	2.279E-03								

TABLE A.13.2.

[illegible]

TABLE A.13.2. (Continued)

[illegible]

TABLE A.13.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00B	.000E+00*	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05	5.892E-05
2012.	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06	1.194E-06
2816.	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06	1.687E-06
3621.	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06	2.138E-06
4426.	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06	2.536E-06
5230.	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06	2.895E-06
6035.	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06	3.222E-06
6840.	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06	3.525E-06
7644.	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06	3.805E-06
8451.	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06	4.407E-06
10460.	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06	4.943E-06
12470.	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06	5.653E-06
14890.	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06	6.279E-06
18110.	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06	7.383E-06
22130.	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06	8.325E-06
26150.	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06	9.137E-06
30180.	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06	9.856E-06
36210.	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07	1.159E-07
44260.	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07	1.301E-07
52300.	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07	1.430E-07
60350.	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07	1.540E-07
68400.	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07	1.625E-07
76440.	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07	1.699E-07
84490.	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07	1.763E-07
92540.	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07	1.820E-07
104600.	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07	1.912E-07
124700.	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07	2.015E-07
148900.	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07	2.090E-07
201200.	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07	2.213E-07
281600.	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07	2.263E-07
442600.	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07	2.282E-07
684000.	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07	2.284E-07

TABLE A.14.1. Early Dose for Pasquill E, 3.0 m/sec, Release Term is SST2:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	2.300E-03	2.283E-03	2.230E-03	2.146E-03	2.032E-03	1.894E-03	1.737E-03	1.568E-03	1.391E-03	1.213E-03	1.040E-03							
1207.	1.125E-03	1.107E-03	1.058E-03	9.768E-02	8.729E-02	7.557E-02	6.326E-02	5.117E-02	3.994E-02	3.004E-02	2.175E-02							
2012.	6.153E-02	6.013E-02	5.613E-02	5.001E-02	4.250E-02	3.442E-02	2.633E-02	1.942E-02	1.348E-02	8.655E-01	5.484E-01H							
2816.	4.017E-02	3.906E-02	3.590E-02	3.119E-02	2.557E-02	1.976E-02	1.437E-02	9.812E-01	6.274E-01	3.744E-01H	2.077E-01G							
3621.	2.881E-02	2.791E-02	2.537E-02	2.162E-02	1.725E-02	1.288E-01	8.968E-01	5.812E-01	3.494E-01H	1.941E-01F	9.917E-00							
4428.	2.194E-02	2.119E-02	1.909E-02	1.603E-02	1.253E-02	9.095E-01	6.120E-01	3.806E-01	2.179E-01G	1.144E-01E	5.476E-00D							
5230.	1.741E-02	1.678E-02	1.501E-02	1.245E-02	9.559E-01	6.786E-01	4.440E-01	2.635E-01H	1.501E-01F	7.751E-00	3.338E-00							
6035.	1.424E-02	1.369E-02	1.217E-02	9.990E-01	7.561E-01	5.285E-01	3.364E-01	1.965E-01	1.045E-01E	5.032E-00D	2.181E-00C							
6840.	1.192E-02	1.144E-02	1.011E-02	8.227E-01	6.147E-01	4.210E-01	2.635E-01H	1.501E-01F	7.751E-00	3.607E-00	1.503E-00							
7644.	1.016E-02	9.732E-01	8.563E-01	6.910E-01	5.106E-01	3.446E-01	2.118E-01G	1.181E-01E	5.941E-00D	2.682E-00C	1.080E-00B							
8851.	8.186E-01	7.830E-01	6.847E-01	5.470E-01	3.984E-01	2.639E-01H	1.501E-01F	7.751E-00	3.607E-00	1.816E-00	6.986E-01*							
10460.	6.380E-01	6.080E-01	5.288E-01	4.175E-01	2.991E-01	1.940E-01F	1.134E-01E	5.950E-00D	2.787E-00C	1.158E-00B	4.231E-01							
12470.	4.872E-01	4.638E-01	3.999E-01	3.120E-01H	2.197E-01G	1.393E-01E	7.919E-00	4.018E-00	1.808E-00	7.170E-01*	2.484E-01							
14890.	3.696E-01	3.509E-01	3.004E-01H	2.314E-01G	1.601E-01F	9.921E-00	5.481E-00D	2.687E-00C	1.161E-00B	4.392E-01	1.440E-01							
18110.	2.696E-01H	2.554E-01H	2.168E-01G	1.648E-01F	1.119E-01E	6.760E-00D	3.621E-00	1.710E-00	7.086E-01*	2.538E-01	7.843E-02							
22130.	1.936E-01F	1.829E-01F	1.540E-01F	1.155E-01E	7.692E-00	4.533E-00	2.354E-00C	1.070E-00B	4.230E-01	1.442E-01	4.193E-02							
26150.	1.458E-01	1.374E-01	1.149E-01E	8.509E-00	5.671E-00D	3.212E-00	1.623E-00	7.140E-01	2.716E-01	8.656E-02	2.448E-02							
30180.	1.135E-01E	1.067E-01E	8.867E-00	6.502E-00D	4.195E-00	2.373E-00C	1.171E-00B	5.008E-01*	1.842E-01	5.777E-02	1.527E-02							
36210.	8.134E-00	7.629E-00	6.292E-00D	4.556E-00	2.887E-00C	1.695E-00	7.646E-01*	3.157E-01	1.114E-01	3.328E-02	8.315E-03							
44280.	5.571E-00D	5.211E-00D	4.261E-00	3.041E-00	1.889E-00	1.016E-00B	4.712E-01	1.870E-01	6.293E-02	1.779E-02	4.172E-03							
52300.	4.012E-00	3.743E-00	3.038E-00	2.141E-00C	1.307E-00B	6.871E-01*	3.097E-01	1.187E-01	3.838E-02	1.035E-02	2.301E-03							
60350.	2.998E-00	2.789E-00	2.249E-00C	1.588E-00	9.418E-01	4.854E-01	2.134E-01	7.939E-02	2.476E-02	6.416E-03	1.360E-03							
68400.	2.298E-00C	2.135E-00C	1.712E-00	1.182E-00B	7.001E-01	3.544E-01	1.624E-01	5.619E-02	1.689E-02	4.167E-03	8.474E-04							
76440.	1.802E-00	1.672E-00	1.333E-00	9.125E-01	5.340E-01	2.661E-01	1.121E-01	3.965E-02	1.168E-02	2.816E-03	5.613E-04							
84490.	1.440E-00	1.333E-00	1.058E-00B	7.185E-01	4.158E-01	2.041E-01	8.448E-02	2.923E-02	8.375E-03	1.964E-03	3.715E-04							
92540.	1.168E-00B	1.080E-00B	8.532E-01	5.750E-01	3.293E-01	1.595E-01	6.491E-02	2.201E-02	6.160E-03	1.405E-03	2.576E-04							
104800.	8.675E-01	8.007E-01	6.292E-01*	4.201E-01	2.375E-01	1.130E-01	4.502E-02	1.487E-02	4.035E-03	8.877E-04	1.581E-04							
124700.	5.568E-01*	5.125E-01*	3.998E-01	2.632E-01	1.459E-01	6.776E-02	2.615E-02	8.318E-03	2.157E-03	4.499E-04	7.437E-05							
148900.	3.501E-01	3.213E-01	2.481E-01	1.609E-01	8.729E-02	3.938E-02	1.467E-02	4.472E-03	1.103E-03	2.172E-04	3.360E-05							
201200.	.000E+00	1.306E-01	9.945E-02	6.301E-02	3.305E-02	1.427E-02	5.030E-03	1.433E-03	3.258E-04	5.827E-05	8.059E-06							
281600.	.000E+00	4.585E-02	3.433E-02	2.114E-02	1.064E-02	4.355E-03	1.436E-03	3.768E-04	7.771E-05	1.240E-05	1.501E-06							
442800.	.000E+00	9.959E-03	7.283E-03	4.307E-03	2.048E-03	7.765E-04	2.324E-04	5.423E-05	9.714E-06	1.312E-06	1.309E-07							
684000.	.000E+00	3.788E-03	2.668E-03	1.483E-03	6.463E-04	2.193E-04	5.734E-05	1.140E-05	1.698E-06	1.858E-07	1.461E-08							

TABLE A.14.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
201. 604. 1207. 2012. 2816. 3621. 4426. 5230. 6036. 6840. 7644. 8851. 10460. 12470. 14890. 18110. 22130. 26150. 30180. 36210. 44260. 52300. 60360. 68400. 76440. 84480. 92640. 104800. 124700. 148900. 201200. 281800. 442600. 684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00</

TABLE A.14.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	3.354E-01H	2.156E+01G	1.348E-01E	8.178E-00D	4.811E-00C	2.741E-00C	1.510E+00B	8.029E-01A	4.116E-01	2.030E-01	9.619E-02	.000E+00
1207.	9.391E-02	3.180E-02	9.868E-03	2.780E-03	6.919E-04	1.537E-04	2.992E-05	5.033E-06	7.204E-07	.000E+00	.000E+00	.000E+00
2012.	3.104E-04	5.247E-05	7.415E-06	8.585E-07	7.947E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2816.	5.156E-06	6.226E-07	4.090E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3821.	2.287E-07	1.499E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4426.	1.805E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92640.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

[illegible]

TABLE A.14.2. Early Dose for Pasquill E, 3.0 m/sec, Release Term is SST2:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00							
804.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00							
1207.	1.046E-03	3.104E-03	5.068E-03	6.882E-03	8.504E-03	9.909E-03	1.109E-04	1.204E-04	1.278E-04	1.334E-04	1.374E-04							
2012.	2.362E-03	6.994E-03	1.136E-04	1.531E-04	1.876E-04	2.163E-04	2.394E-04	2.573E-04	2.705E-04	2.798E-04	2.862E-04H							
2816.	3.582E-03	1.053E-04	1.704E-04	2.285E-04	2.782E-04	3.188E-04	3.505E-04	3.742E-04	3.911E-04	4.027E-04H	4.104E-04Q							
3621.	4.742E-03	1.399E-04	2.268E-04	3.017E-04	3.655E-04	4.168E-04	4.567E-04	4.841E-04	5.039E-04H	5.171E-04F	5.256E-04							
4426.	5.834E-03	1.720E-04	2.789E-04	3.687E-04	4.450E-04	5.062E-04	5.503E-04	5.826E-04	6.045E-04Q	6.189E-04E	6.279E-04D							
5230.	6.862E-03	2.020E-04	3.247E-04	4.312E-04	5.188E-04	5.870E-04	6.374E-04	6.728E-04H	6.965E-04	7.117E-04	7.211E-04							
6035.	7.832E-03	2.304E-04	3.696E-04	4.897E-04	5.878E-04	6.630E-04	7.179E-04	7.580E-04	7.811E-04E	7.970E-04D	8.067E-04C							
6840.	8.762E-03	2.573E-04	4.121E-04	5.449E-04	6.523E-04	7.341E-04	7.932E-04H	8.335E-04F	8.599E-04	8.763E-04	8.862E-04							
7644.	9.625E-03	2.827E-04	4.523E-04	5.970E-04	7.131E-04	8.009E-04	8.636E-04Q	9.080E-04E	9.334E-04D	9.503E-04C	9.604E-04B							
8851.	1.156E-04	3.391E-04	5.410E-04	7.116E-04	8.466E-04	9.469E-04H	1.017E-05F	1.064E-05	1.093E-05	1.111E-05	1.121E-05*							
10460.	1.334E-04	3.908E-04	6.222E-04	8.180E-04	9.677E-04H	1.079E-05F	1.155E-05E	1.205E-05D	1.238E-05C	1.254E-05B	1.265E-05							
12470.	1.577E-04	4.614E-04	7.327E-04	9.676E-04H	1.131E-05Q	1.266E-05E	1.341E-05	1.394E-05	1.427E-05	1.446E-05*	1.457E-05							
14890.	1.798E-04	5.258E-04	8.328E-04H	1.086E-05Q	1.278E-05F	1.415E-05	1.506E-05D	1.563E-05C	1.597E-05B	1.617E-05	1.628E-05							
18110.	2.202E-04H	6.425E-04H	1.015E-05Q	1.317E-05F	1.643E-05E	1.700E-05D	1.802E-05	1.864E-05	1.900E-05*	1.921E-05	1.932E-05							
22130.	2.558E-04F	7.453E-04F	1.174E-05F	1.519E-05E	1.773E-05	1.947E-05	2.058E-05C	2.124E-05B	2.161E-05	2.182E-05	2.194E-05							
26150.	2.874E-04	8.363E-04	1.315E-05E	1.696E-05	1.975E-05D	2.163E-05	2.280E-05	2.349E-05	2.388E-05	2.410E-05	2.421E-05							
30180.	3.159E-04E	9.186E-04E	1.442E-05	1.858E-05D	2.156E-05	2.355E-05C	2.479E-05B	2.551E-05*	2.590E-05	2.612E-05	2.624E-05							
36210.	3.869E-04	1.123E-05	1.766E-05D	2.249E-05	2.599E-05C	2.827E-05	2.964E-05*	3.041E-05	3.083E-05	3.105E-05	3.117E-05							
44260.	4.468E-04D	1.295E-05D	2.019E-05	2.578E-05	2.969E-05	3.218E-05B	3.365E-05	3.447E-05	3.490E-05	3.512E-05	3.524E-05							
52300.	5.024E-04	1.454E-05	2.263E-05	2.881E-05C	3.308E-05B	3.577E-05*	3.732E-05	3.817E-05	3.861E-05	3.884E-05	3.896E-05							
60350.	5.510E-04	1.593E-05	2.475E-05C	3.144E-05	3.602E-05	3.888E-05	4.048E-05	4.135E-05	4.180E-05	4.203E-05	4.215E-05							
68400.	5.889E-04C	1.702E-05C	2.640E-05	3.348E-05B	3.829E-05	4.125E-05	4.292E-05	4.381E-05	4.426E-05	4.450E-05	4.462E-05							
76440.	6.226E-04	1.798E-05	2.788E-05	3.528E-05	4.029E-05*	4.334E-05	4.506E-05	4.596E-05	4.642E-05	4.666E-05	4.678E-05							
84490.	6.521E-04	1.862E-05	2.913E-05B	3.685E-05	4.203E-05	4.617E-05	4.692E-05	4.784E-05	4.830E-05	4.853E-05	4.865E-05							
92540.	6.786E-04B	1.957E-05B	3.028E-05	3.825E-05*	4.358E-05	4.680E-05	4.858E-05	4.950E-05	4.997E-05	5.020E-05	5.032E-05							
104600.	7.227E-04	2.093E-05	3.217E-05*	4.058E-05	4.615E-05	4.947E-05	5.130E-05	5.224E-05	5.271E-05	5.295E-05	5.307E-05							
124700.	7.736E-04*	2.227E-05*	3.435E-05	4.323E-05	4.907E-05	5.262E-05	5.440E-05	5.535E-05	5.583E-05	5.608E-05	5.618E-05							
148900.	8.119E-04	2.336E-05	3.598E-05	4.522E-05	5.124E-05	5.478E-05	5.669E-05	5.765E-05	5.813E-05	5.837E-05	5.849E-05							
201200.	8.119E-04	2.464E-05	4.809E-05	5.444E-05	6.077E-05	6.812E-05	7.007E-05	7.105E-05	7.153E-05	7.177E-05	7.189E-05							
281600.	8.119E-04	2.527E-05	3.933E-05	4.948E-05	5.598E-05	6.972E-05	7.169E-05	7.268E-05	7.316E-05	7.339E-05	7.362E-05							
442600.	8.119E-04	2.592E-05	4.045E-05	5.088E-05	5.751E-05	8.130E-05	8.329E-05	8.427E-05	8.476E-05	8.499E-05	8.512E-05							
684000.	8.119E-04	2.630E-05	4.110E-05	5.167E-05	5.837E-05	8.218E-05	8.417E-05	8.516E-05	8.564E-05	8.588E-05	8.600E-05							

TABLE A.14.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										42.0
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.402E-04	1.421E-04H	1.433E-04H	1.440E-04H	1.445E-04G	1.447E-04E	1.448E-04D	1.449E-04C	1.449E-04B	1.449E-04A	1.449E-04H
2012.	2.904E-04H	2.930E-04F	2.946E-04D	2.955E-04C	2.960E-04B	2.963E-04A	2.964E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04
2818.	4.152E-04E	4.181E-04D	4.198E-04C	4.208E-04B	4.213E-04A	4.215E-04	4.217E-04	4.217E-04	4.218E-04	4.218E-04	4.218E-04
3621.	5.308E-04	5.339E-04B	5.356E-04A	5.368E-04	5.371E-04	5.374E-04	5.375E-04	5.376E-04	5.376E-04	5.377E-04	5.377E-04
4428.	6.333E-04C	6.365E-04A	6.383E-04	6.393E-04	6.398E-04	6.401E-04	6.402E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04
5230.	7.266E-04B	7.289E-04	7.317E-04	7.327E-04	7.332E-04	7.335E-04	7.338E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04
6035.	8.124E-04	8.157E-04	8.175E-04	8.185E-04	8.190E-04	8.193E-04	8.194E-04	8.195E-04	8.195E-04	8.196E-04	8.196E-04
6840.	8.920E-04A	8.963E-04	8.972E-04	8.982E-04	8.987E-04	8.990E-04	8.991E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04
7844.	9.682E-04	9.696E-04	9.714E-04	9.724E-04	9.730E-04	9.732E-04	9.734E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04
8651.	1.127E-05	1.130E-05	1.132E-05	1.133E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05
10460.	1.271E-05	1.274E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05
12470.	1.463E-05	1.467E-05	1.468E-05	1.470E-05	1.470E-05	1.470E-05	1.470E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05
14890.	1.634E-05	1.638E-05	1.639E-05	1.640E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05
18110.	1.938E-05	1.942E-05	1.944E-05	1.945E-05	1.945E-05	1.945E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05
22130.	2.200E-05	2.203E-05	2.205E-05	2.206E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05
26150.	2.427E-05	2.431E-05	2.433E-05	2.434E-05	2.434E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05
30180.	2.630E-05	2.633E-05	2.635E-05	2.636E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05
36210.	3.123E-05	3.126E-05	3.128E-05	3.129E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05
44260.	3.531E-05	3.534E-05	3.536E-05	3.537E-05	3.537E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05
52300.	3.902E-05	3.905E-05	3.907E-05	3.908E-05	3.908E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05
60350.	4.222E-05	4.225E-05	4.227E-05	4.228E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05
68400.	4.468E-05	4.472E-05	4.473E-05	4.474E-05	4.474E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05
78440.	4.684E-05	4.687E-05	4.689E-05	4.690E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05
84490.	4.872E-05	4.875E-05	4.877E-05	4.878E-05	4.878E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05
92540.	5.039E-05	5.042E-05	5.044E-05	5.045E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05
104600.	5.313E-05	5.317E-05	5.319E-05	5.320E-05	5.320E-05	5.320E-05	5.320E-05	5.320E-05	5.320E-05	5.320E-05	5.320E-05
124700.	5.625E-05	5.628E-05	5.630E-05	5.631E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05
148900.	5.855E-05	5.859E-05	5.860E-05	5.861E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05
201200.	6.196E-05	6.199E-05	6.201E-05	6.202E-05	6.202E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05
281800.	6.368E-05	6.361E-05	6.363E-05	6.364E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05
442800.	6.518E-05	6.521E-05	6.523E-05	6.524E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05
684000.	6.607E-05	6.610E-05	6.612E-05	6.613E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05

TABLE A.14.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)												
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0
DIST (METERS)	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	.000E+00H	.000E+00G	.000E+00E	.000E+00D	.000E+00C	.000E+00C	.000E+00B	.000E+00A	.000E+00	.000E+00	.000E+00
	1207.	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04	1.449E+04
	2012.	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04	2.965E+04
	2816.	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04	4.218E+04
	3621.	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04	5.377E+04
	4428.	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04	6.403E+04
	5230.	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04	7.337E+04
	6036.	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04	8.196E+04
	6840.	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04	8.992E+04
	7644.	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04	9.735E+04
	8451.	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05	1.134E+05
	10460.	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05	1.278E+05
	12470.	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05	1.471E+05
	14890.	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05	1.641E+05
	18110.	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05	1.946E+05
	22130.	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05	2.207E+05
	26150.	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05	2.435E+05
	30180.	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05	2.637E+05
	36210.	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05	3.130E+05
	44280.	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05	3.538E+05
	52300.	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05	3.909E+05
	60360.	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05	4.229E+05
	68400.	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05	4.475E+05
	76440.	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05	4.691E+05
	84490.	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05	4.879E+05
	92540.	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05	5.046E+05
	104600.	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05	5.321E+05
	124700.	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05	5.632E+05
	148900.	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05	5.862E+05
	201200.	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05	6.203E+05
	281600.	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05	6.365E+05
	442800.	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05	6.525E+05
	684000.	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05	6.614E+05

TABLE A.14.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04	1.449E-04
2012.	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04	2.965E-04
2816.	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04	4.218E-04
3621.	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04	5.377E-04
4426.	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04	6.403E-04
5230.	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04	7.337E-04
6035.	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04	8.196E-04
6840.	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04	8.992E-04
7644.	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04	9.735E-04
8851.	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05	1.134E-05
10460.	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05	1.278E-05
12470.	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05	1.471E-05
14890.	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05	1.641E-05
18110.	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05	1.946E-05
22130.	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05	2.207E-05
26150.	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05	2.435E-05
30180.	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05	2.637E-05
36210.	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05	3.130E-05
44260.	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05	3.538E-05
52300.	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05	3.909E-05
60350.	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05	4.229E-05
68400.	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05	4.475E-05
76440.	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05	4.691E-05
84490.	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05	4.879E-05
92540.	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05	5.046E-05
104600.	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05	5.321E-05
124700.	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05	5.632E-05
148900.	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05	5.862E-05
201200.	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05	6.203E-05
261600.	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05	6.365E-05
442600.	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05	6.525E-05
684000.	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05	6.614E-05

TABLE A.15.1. Early Dose for Pasquill E, 3.0 m/sec, Release Term is SST3:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)										
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	1.689E+01F	1.680E+01F	1.654E+01F	1.612E+01F	1.555E+01F	1.484E+01E	1.401E+01E	1.308E+01E	1.207E+01E	1.102E+01E	9.938E+00D
	1207.	8.278E+00D	8.190E+00D	7.929E+00D	7.511E+00D	6.980E+00D	6.305E+00D	5.582E+00D	4.828E+00D	4.070E+00C	3.347E+00C	2.680E+00C
	2012.	4.540E+00	4.468E+00	4.280E+00	3.933E+00	3.515E+00	3.037E+00C	2.536E+00C	2.043E+00C	1.587E+00B	1.185E+00B	8.498E+01*
	2816.	2.958E+00	2.899E+00	2.734E+00C	2.479E+00C	2.159E+00C	1.805E+00	1.446E+00B	1.109E+00B	8.118E+01*	5.664E+01*	3.756E+01
	3821.	2.116E+00C	2.070E+00C	1.936E+00	1.732E+00	1.480E+00	1.207E+00B	9.378E+01	6.929E+01*	4.867E+01	3.221E+01	2.016E+01
	4428.	1.609E+00	1.570E+00	1.480E+00	1.292E+00	1.088E+00B	8.697E+01	6.594E+01*	4.731E+01	3.204E+01	2.041E+01	1.219E+01
	5230.	1.273E+00	1.241E+00	1.148E+00B	1.007E+00B	8.375E+01	6.591E+01	4.900E+01	3.432E+01	2.269E+01	1.393E+01	8.008E+02
	6035.	1.039E+00B	1.011E+00B	9.313E+01	8.112E+01	6.875E+01	5.182E+01*	3.788E+01	2.600E+01	1.671E+01	1.001E+01	5.575E+02
	6840.	8.676E+01	8.431E+01	7.734E+01	6.693E+01	5.459E+01*	4.189E+01	3.017E+01	2.036E+01	1.280E+01	7.491E+02	4.065E+02
	7844.	7.369E+01	7.153E+01	6.539E+01	5.628E+01*	4.553E+01	3.457E+01	2.458E+01	1.632E+01	1.008E+01	5.775E+02	3.050E+02
	8851.	5.910E+01*	5.729E+01*	5.216E+01*	4.459E+01	3.572E+01	2.679E+01	1.874E+01	1.221E+01	7.371E+02	4.109E+02	2.103E+02
	10480.	4.579E+01	4.431E+01	4.015E+01	3.404E+01	2.695E+01	1.990E+01	1.367E+01	8.702E+02	5.116E+02	2.764E+02	1.365E+02
	12470.	.000E+00	3.351E+01	3.021E+01	2.540E+01	1.988E+01	1.445E+01	9.738E+02	6.065E+02	3.463E+02	1.811E+02	8.614E+03
	14890.	.000E+00	2.516E+01	2.257E+01	1.881E+01	1.454E+01	1.040E+01	6.867E+02	4.189E+02	2.317E+02	1.173E+02	5.369E+03
	18110.	.000E+00	1.810E+01	1.614E+01	1.333E+01	1.018E+01	7.147E+02	4.818E+02	2.731E+02	1.472E+02	7.183E+03	3.166E+03
	22130.	.000E+00	1.280E+01	1.135E+01	9.279E+02	6.981E+02	4.821E+02	3.047E+02	1.764E+02	9.155E+03	4.305E+03	1.811E+03
	26150.	.000E+00	9.500E+02	8.383E+02	6.796E+02	5.053E+02	3.437E+02	2.131E+02	1.199E+02	6.090E+03	2.775E+03	1.128E+03
	30180.	.000E+00	7.299E+02	6.412E+02	4.483E+02	3.798E+02	2.549E+02	1.554E+02	8.573E+03	4.254E+03	1.887E+03	7.420E+04
	36210.	.000E+00	5.129E+02	4.483E+02	3.577E+02	2.800E+02	1.717E+02	1.028E+02	5.525E+03	2.864E+03	1.142E+03	4.321E+04
44280.	.000E+00	3.438E+02	2.985E+02	2.358E+02	1.639E+02	1.095E+02	6.397E+03	3.349E+03	1.582E+03	6.444E+04	2.331E+04	
52300.	.000E+00	2.423E+02	2.094E+02	1.639E+02	1.180E+02	7.401E+03	4.238E+03	2.185E+03	9.814E+04	3.917E+04	1.384E+05	
60350.	.000E+00	1.775E+02	1.527E+02	1.186E+02	8.304E+03	5.221E+03	2.936E+03	1.469E+03	6.496E+04	2.519E+04	8.487E+05	
68400.	.000E+00	1.337E+02	1.145E+02	8.840E+03	6.130E+03	3.807E+03	2.108E+03	1.035E+03	4.478E+04	1.692E+04	5.637E+05	
76440.	.000E+00	1.032E+02	8.809E+03	6.756E+03	4.644E+03	2.852E+03	1.557E+03	7.520E+04	3.189E+04	1.178E+04	3.753E+05	
84490.	.000E+00	8.117E+03	6.908E+03	5.267E+03	3.692E+03	2.183E+03	1.177E+03	6.598E+04	2.331E+04	8.430E+05	2.622E+05	
92540.	.000E+00	6.489E+03	5.504E+03	4.176E+03	2.827E+03	1.702E+03	9.066E+04	4.250E+04	1.741E+04	6.175E+05	1.878E+05	
104600.	.000E+00	4.725E+03	3.992E+03	3.010E+03	2.020E+03	1.202E+03	6.310E+04	2.908E+04	1.165E+04	4.032E+05	1.192E+05	
124700.	.000E+00	2.945E+03	2.475E+03	1.850E+03	1.228E+03	7.171E+04	3.687E+04	1.655E+04	6.436E+05	2.148E+05	6.086E+06	
148900.	.000E+00	1.800E+03	1.504E+03	1.112E+03	7.255E+04	4.162E+04	2.089E+04	9.104E+05	3.421E+05	1.097E+05	2.969E+06	
201200.	.000E+00	7.032E+04	5.823E+04	4.242E+04	2.711E+04	1.512E+04	7.323E+05	3.055E+05	1.088E+05	3.276E+06	8.228E+07	
281600.	.000E+00	2.420E+04	1.980E+04	1.413E+04	8.776E+05	4.715E+05	2.177E+05	8.575E+06	2.851E+06	7.916E+07	1.809E+07	
362100.	.000E+00	5.527E+05	4.448E+05	3.088E+05	1.842E+05	9.382E+06	4.051E+06	1.469E+06	4.424E+07	1.092E+07	2.179E+08	
684000.	.000E+00	2.197E+05	1.718E+05	1.137E+05	6.349E+06	2.972E+06	1.158E+06	3.723E+07	9.762E+08	2.060E+08	.000E+00	

TABLE A.15.1. (Continued)

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	8.850E+00D	7.783E+00D	6.786E+00D	5.785E+00D	4.885E+00C	4.084E+00C	3.331E+00C	2.687E+00C	2.132E+00C	1.684E+00B	1.275E+00B
1207.	2.087E+00C	1.578E+00B	1.167E+00B	8.216E-01*	5.835E-01*	3.726E-01	2.369E-01	1.445E-01	8.428E-02	4.886E-02	2.474E-02
2012.	5.834E-01*	3.827E-01	2.391E-01	1.418E-01	7.949E-02	4.195E-02	2.074E-02	9.546E-03	4.088E-03	1.591E-03	5.673E-04
2818.	2.360E-01	1.399E-01	7.803E-02	4.071E-02	1.977E-02	8.878E-03	3.863E-03	1.377E-03	4.671E-04	1.416E-04	3.785E-05
3621.	1.184E-01	6.509E-02	3.331E-02	1.578E-02	6.873E-03	2.731E-03	9.819E-04	3.161E-04	9.010E-05	2.258E-05	4.876E-06
4428.	6.794E-02	3.517E-02	1.682E-02	7.878E-03	2.947E-03	1.082E-03	3.423E-04	9.782E-05	2.443E-05	5.212E-06	9.321E-07
5230.	4.274E-02	2.108E-02	9.620E-03	3.919E-03	1.457E-03	4.844E-04	1.434E-04	3.703E-05	8.190E-06	1.527E-06	2.344E-07
6035.	2.868E-02	1.355E-02	5.844E-03	2.281E-03	7.986E-04	2.486E-04	6.827E-05	1.810E-05	3.217E-06	5.342E-07	7.195E-08
6840.	2.020E-02	9.208E-03	3.809E-03	1.419E-03	4.738E-04	1.392E-04	3.558E-05	7.766E-06	1.424E-06	2.146E-07	2.594E-08
7644.	1.478E-02	6.523E-03	2.603E-03	9.342E-04	2.974E-04	8.268E-05	1.992E-05	4.084E-06	8.902E-07	9.566E-08	1.046E-08
8851.	9.824E-03	4.168E-03	1.582E-03	5.354E-04	1.595E-04	4.154E-05	9.259E-06	1.733E-06	2.688E-07	3.297E-08	.000E+00
10460.	6.124E-03	2.476E-03	8.940E-04	2.855E-04	7.967E-05	1.916E-05	3.915E-06	6.630E-07	9.092E-08	.000E+00	.000E+00
12470.	3.699E-03	1.428E-03	4.852E-04	1.452E-04	3.761E-05	8.312E-06	1.547E-06	2.371E-07	2.905E-08	.000E+00	.000E+00
14890.	2.208E-03	8.085E-04	2.609E-04	7.334E-05	1.772E-05	3.619E-06	6.150E-07	8.481E-08	.000E+00	.000E+00	.000E+00
18110.	1.237E-03	4.288E-04	1.300E-04	3.406E-05	7.595E-06	1.418E-06	2.170E-07	2.672E-08	.000E+00	.000E+00	.000E+00
22130.	6.756E-04	2.213E-04	6.295E-05	1.533E-05	3.148E-06	5.350E-07	7.369E-08	.000E+00	.000E+00	.000E+00	.000E+00
26150.	4.031E-04	1.280E-04	3.400E-05	7.803E-06	1.498E-06	2.362E-07	3.011E-08	.000E+00	.000E+00	.000E+00	.000E+00
30180.	2.564E-04	7.702E-05	1.988E-05	4.334E-06	7.867E-07	1.722E-07	1.384E-08	.000E+00	.000E+00	.000E+00	.000E+00
36210.	1.428E-04	4.077E-05	9.925E-06	2.028E-06	3.418E-07	4.652E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44280.	7.320E-05	1.971E-05	4.489E-06	8.506E-07	1.318E-07	1.828E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	4.101E-05	1.051E-05	2.285E-06	4.031E-07	5.813E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	2.457E-05	6.038E-06	1.240E-06	2.093E-07	2.844E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	1.550E-05	3.686E-06	7.213E-07	1.159E-07	1.508E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	1.020E-05	2.331E-06	4.414E-07	6.845E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	6.932E-06	1.538E-06	2.619E-07	4.207E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	4.841E-06	1.043E-06	1.861E-07	2.675E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	2.972E-06	6.181E-07	1.045E-07	1.422E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	1.445E-06	2.832E-07	4.500E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	6.690E-07	1.236E-07	1.838E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	1.700E-07	2.840E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	3.352E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442800.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.15.1.

[illegible]

TABLE A.15.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)		66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
201.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		9.809E-03	.000E+00	6.373E-03	2.907E-03	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		2.449E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2012.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
2816.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
3621.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
4426.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
5230.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6035.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
6840.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8449.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
9254.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
20120.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
28160.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44280.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.			.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.15.2. Early Dose for Pasquill E, 3.0 m/sec, Release Term is SST3:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																		
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0								
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00F	.000E+00F	.000E+00F	.000E+00F	.000E+00F	.000E+00F	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00E	.000E+00D
1207.	7.695E+00D	2.292E+01D	3.766E+01D	5.162E+01D	6.456E+01D	7.628E+01D	8.666E+01D	9.563E+01	1.032E+02C	1.094E+02C	1.144E+02C								
2012.	1.741E+01	5.176E+01	8.473E+01	1.155E+02	1.435E+02	1.692E+02C	1.895E+02C	2.072E+02C	2.215E+02B	2.328E+02B	2.414E+02*								
2816.	2.624E+01	7.790E+01	1.272E+02C	1.728E+02C	2.137E+02C	2.492E+02	2.790E+02B	3.034E+02B	3.226E+02*	3.373E+02*	3.481E+02								
3621.	3.490E+01C	1.035E+02C	1.687E+02	2.285E+02	2.815E+02	3.269E+02B	3.644E+02	3.944E+02*	4.176E+02	4.349E+02	4.475E+02								
4426.	4.292E+01	1.272E+02	2.069E+02	2.795E+02	3.434E+02B	3.974E+02	4.416E+02*	4.763E+02	5.027E+02	5.220E+02	5.367E+02								
5230.	5.043E+01	1.493E+02	2.426E+02B	3.271E+02B	4.009E+02	4.645E+02	5.126E+02	5.514E+02	5.804E+02	6.014E+02	6.161E+02								
6035.	5.751E+01B	1.702E+02B	2.761E+02	3.717E+02	4.545E+02	5.234E+02*	5.785E+02	6.208E+02	6.521E+02	6.745E+02	6.899E+02								
6840.	6.421E+01	1.899E+02	3.078E+02	4.137E+02	5.049E+02*	5.803E+02	6.400E+02	6.855E+02	7.188E+02	7.423E+02	7.583E+02								
7644.	7.054E+01	2.085E+02	3.377E+02	4.533E+02*	5.524E+02	6.337E+02	6.976E+02	7.459E+02	7.809E+02	8.054E+02	8.220E+02								
8851.	8.452E+01*	2.496E+02*	4.034E+02*	5.401E+02	6.560E+02	7.500E+02	8.228E+02	8.769E+02	9.164E+02	9.418E+02	9.594E+02								
10480.	9.727E+01	2.870E+02	4.632E+02	6.189E+02	7.499E+02	8.549E+02	9.353E+02	9.942E+02	1.036E+03	1.064E+03	1.082E+03								
12470.	9.727E+01	3.205E+02	5.288E+02	7.078E+02	8.586E+02	9.761E+02	1.068E+03	1.133E+03	1.178E+03	1.208E+03	1.227E+03								
14890.	9.727E+01	3.508E+02	5.840E+02	7.875E+02	9.557E+02	1.088E+03	1.186E+03	1.256E+03	1.304E+03	1.335E+03	1.355E+03								
18110.	9.727E+01	4.019E+02	6.866E+02	9.301E+02	1.129E+03	1.282E+03	1.394E+03	1.472E+03	1.524E+03	1.558E+03	1.579E+03								
22130.	9.727E+01	4.519E+02	7.754E+02	1.053E+03	1.277E+03	1.448E+03	1.572E+03	1.656E+03	1.712E+03	1.747E+03	1.768E+03								
26150.	9.727E+01	4.930E+02	8.528E+02	1.160E+03	1.406E+03	1.592E+03	1.725E+03	1.814E+03	1.872E+03	1.908E+03	1.930E+03								
30180.	9.727E+01	5.298E+02	9.218E+02	1.255E+03	1.520E+03	1.719E+03	1.859E+03	1.953E+03	2.014E+03	2.051E+03	2.073E+03								
36210.	9.727E+01	6.193E+02	1.089E+03	1.485E+03	1.796E+03	2.024E+03	2.183E+03	2.286E+03	2.351E+03	2.390E+03	2.413E+03								
44260.	9.727E+01	6.932E+02	1.228E+03	1.674E+03	2.021E+03	2.273E+03	2.445E+03	2.556E+03	2.624E+03	2.665E+03	2.688E+03								
52300.	9.727E+01	7.803E+02	1.353E+03	1.844E+03	2.224E+03	2.496E+03	2.680E+03	2.797E+03	2.869E+03	2.910E+03	2.934E+03								
60350.	9.727E+01	8.179E+02	1.480E+03	1.990E+03	2.396E+03	2.686E+03	2.879E+03	3.001E+03	3.074E+03	3.116E+03	3.141E+03								
68400.	9.727E+01	8.621E+02	1.542E+03	2.101E+03	2.527E+03	2.830E+03	3.030E+03	3.155E+03	3.230E+03	3.273E+03	3.297E+03								
76440.	9.727E+01	9.008E+02	1.613E+03	2.198E+03	2.641E+03	2.954E+03	3.161E+03	3.288E+03	3.364E+03	3.407E+03	3.432E+03								
84490.	9.727E+01	9.339E+02	1.675E+03	2.281E+03	2.739E+03	3.061E+03	3.272E+03	3.403E+03	3.479E+03	3.523E+03	3.548E+03								
92540.	9.727E+01	9.634E+02	1.729E+03	2.354E+03	2.826E+03	3.155E+03	3.370E+03	3.503E+03	3.580E+03	3.624E+03	3.649E+03								
104600.	9.727E+01	1.011E+03	1.818E+03	2.474E+03	2.966E+03	3.307E+03	3.529E+03	3.664E+03	3.743E+03	3.787E+03	3.812E+03								
124700.	9.727E+01	1.065E+03	1.917E+03	2.607E+03	3.121E+03	3.476E+03	3.704E+03	3.842E+03	3.922E+03	3.967E+03	3.992E+03								
148900.	9.727E+01	1.105E+03	1.989E+03	2.703E+03	3.233E+03	3.597E+03	3.830E+03	3.970E+03	4.051E+03	4.096E+03	4.121E+03								
201200.	9.727E+01	1.174E+03	2.116E+03	2.871E+03	3.428E+03	3.806E+03	4.047E+03	4.190E+03	4.271E+03	4.317E+03	4.342E+03								
281600.	9.727E+01	1.207E+03	2.176E+03	2.951E+03	3.519E+03	3.905E+03	4.148E+03	4.292E+03	4.374E+03	4.420E+03	4.445E+03								
442600.	9.727E+01	1.243E+03	2.241E+03	3.035E+03	3.616E+03	4.008E+03	4.256E+03	4.398E+03	4.481E+03	4.526E+03	4.551E+03								
684000.	9.727E+01	1.265E+03	2.280E+03	3.086E+03	3.673E+03	4.067E+03	4.314E+03	4.460E+03	4.542E+03	4.588E+03	4.613E+03								

TABLE A.15.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.183E+02	1.212E+02	1.234E+02	1.249E+02	1.269E+02	1.286E+02	1.271E+02	1.273E+02	1.275E+02	1.276E+02	1.276E+02
2012.	2.478E+02	2.524E+02	2.556E+02	2.577E+02	2.591E+02	2.600E+02	2.605E+02	2.608E+02	2.610E+02	2.611E+02	2.611E+02
2818.	3.599E+02	3.613E+02	3.650E+02	3.673E+02	3.688E+02	3.698E+02	3.703E+02	3.706E+02	3.708E+02	3.709E+02	3.709E+02
3621.	4.562E+02	4.622E+02	4.661E+02	4.686E+02	4.701E+02	4.711E+02	4.716E+02	4.720E+02	4.721E+02	4.722E+02	4.723E+02
4428.	5.452E+02	5.515E+02	5.555E+02	5.581E+02	5.597E+02	5.607E+02	5.612E+02	5.615E+02	5.617E+02	5.618E+02	5.619E+02
5230.	6.260E+02	6.326E+02	6.368E+02	6.394E+02	6.410E+02	6.420E+02	6.425E+02	6.428E+02	6.430E+02	6.431E+02	6.432E+02
6035.	7.002E+02	7.070E+02	7.112E+02	7.139E+02	7.155E+02	7.165E+02	7.170E+02	7.174E+02	7.175E+02	7.176E+02	7.177E+02
6840.	7.690E+02	7.769E+02	7.802E+02	7.829E+02	7.845E+02	7.855E+02	7.860E+02	7.863E+02	7.865E+02	7.866E+02	7.867E+02
7644.	8.329E+02	8.399E+02	8.442E+02	8.469E+02	8.486E+02	8.495E+02	8.501E+02	8.504E+02	8.506E+02	8.507E+02	8.507E+02
8451.	9.708E+02	9.779E+02	9.824E+02	9.851E+02	9.867E+02	9.877E+02	9.883E+02	9.886E+02	9.888E+02	9.889E+02	9.889E+02
10460.	1.094E+03	1.101E+03	1.105E+03	1.108E+03	1.110E+03	1.111E+03	1.111E+03	1.112E+03	1.112E+03	1.112E+03	1.112E+03
12470.	1.239E+03	1.246E+03	1.251E+03	1.254E+03	1.255E+03	1.256E+03	1.257E+03	1.257E+03	1.257E+03	1.258E+03	1.258E+03
14690.	1.367E+03	1.374E+03	1.379E+03	1.382E+03	1.383E+03	1.384E+03	1.385E+03	1.385E+03	1.386E+03	1.386E+03	1.386E+03
16110.	1.591E+03	1.598E+03	1.604E+03	1.606E+03	1.608E+03	1.609E+03	1.610E+03	1.610E+03	1.610E+03	1.610E+03	1.610E+03
22130.	1.781E+03	1.789E+03	1.793E+03	1.796E+03	1.798E+03	1.799E+03	1.799E+03	1.800E+03	1.800E+03	1.800E+03	1.800E+03
26150.	1.944E+03	1.951E+03	1.956E+03	1.959E+03	1.960E+03	1.961E+03	1.962E+03	1.962E+03	1.962E+03	1.963E+03	1.963E+03
30180.	2.086E+03	2.094E+03	2.099E+03	2.102E+03	2.103E+03	2.104E+03	2.105E+03	2.105E+03	2.105E+03	2.105E+03	2.105E+03
36210.	2.427E+03	2.435E+03	2.439E+03	2.442E+03	2.444E+03	2.445E+03	2.445E+03	2.446E+03	2.446E+03	2.446E+03	2.446E+03
44260.	2.702E+03	2.710E+03	2.716E+03	2.717E+03	2.719E+03	2.720E+03	2.721E+03	2.721E+03	2.721E+03	2.721E+03	2.721E+03
52300.	2.947E+03	2.955E+03	2.960E+03	2.963E+03	2.964E+03	2.965E+03	2.965E+03	2.966E+03	2.967E+03	2.967E+03	2.967E+03
60350.	3.154E+03	3.162E+03	3.167E+03	3.170E+03	3.172E+03	3.173E+03	3.173E+03	3.173E+03	3.174E+03	3.174E+03	3.174E+03
68400.	3.311E+03	3.319E+03	3.324E+03	3.326E+03	3.328E+03	3.329E+03	3.330E+03	3.330E+03	3.330E+03	3.330E+03	3.330E+03
76440.	3.446E+03	3.454E+03	3.459E+03	3.461E+03	3.463E+03	3.464E+03	3.465E+03	3.465E+03	3.465E+03	3.465E+03	3.465E+03
84490.	3.562E+03	3.570E+03	3.574E+03	3.577E+03	3.579E+03	3.580E+03	3.580E+03	3.581E+03	3.581E+03	3.581E+03	3.581E+03
92540.	3.683E+03	3.671E+03	3.675E+03	3.678E+03	3.680E+03	3.681E+03	3.681E+03	3.682E+03	3.682E+03	3.682E+03	3.682E+03
104600.	3.828E+03	3.834E+03	3.839E+03	3.841E+03	3.843E+03	3.844E+03	3.845E+03	3.845E+03	3.845E+03	3.845E+03	3.845E+03
124700.	4.008E+03	4.014E+03	4.018E+03	4.021E+03	4.023E+03	4.024E+03	4.024E+03	4.025E+03	4.025E+03	4.025E+03	4.025E+03
146900.	4.135E+03	4.143E+03	4.148E+03	4.151E+03	4.152E+03	4.153E+03	4.154E+03	4.154E+03	4.154E+03	4.154E+03	4.154E+03
201200.	4.356E+03	4.364E+03	4.369E+03	4.371E+03	4.373E+03	4.374E+03	4.374E+03	4.375E+03	4.375E+03	4.375E+03	4.375E+03
261600.	4.459E+03	4.467E+03	4.472E+03	4.474E+03	4.476E+03	4.477E+03	4.478E+03	4.478E+03	4.478E+03	4.478E+03	4.478E+03
442800.	4.585E+03	4.574E+03	4.578E+03	4.581E+03	4.583E+03	4.584E+03	4.584E+03	4.585E+03	4.585E+03	4.585E+03	4.585E+03
684000.	4.627E+03	4.635E+03	4.640E+03	4.643E+03	4.644E+03	4.645E+03	4.646E+03	4.646E+03	4.646E+03	4.646E+03	4.646E+03

TABLE A.15.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)									
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0 64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00*	.000E+00*	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02
2012.	2.611E-02	2.611E-02	2.611E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02
2816.	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02
3621.	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02
4426.	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02
5230.	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02
6035.	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02
6840.	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02
7644.	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02
8451.	9.899E-02	9.899E-02	9.899E-02	9.899E-02	9.899E-02	9.899E-02	9.899E-02	9.899E-02	9.899E-02	9.899E-02
10460.	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03
12470.	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03
14890.	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03
16110.	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03
22130.	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03
26150.	1.963E-03	1.963E-03	1.963E-03	1.963E-03	1.963E-03	1.963E-03	1.963E-03	1.963E-03	1.963E-03	1.963E-03
30180.	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03
36210.	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03
44260.	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03
52300.	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03
60350.	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03
68400.	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03
76440.	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03
84490.	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03
92540.	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03
104600.	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03
124700.	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03
148900.	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03
201200.	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03
281600.	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03
442600.	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03
684000.	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03

TABLE A.15.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)									
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0 86.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02	1.277E-02
2012.	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02	2.612E-02
2816.	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02	3.710E-02
3621.	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02	4.723E-02
4428.	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02	5.619E-02
5230.	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02	6.432E-02
6035.	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02	7.177E-02
6840.	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02	7.867E-02
7644.	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02	8.508E-02
8451.	9.090E-02	9.090E-02	9.090E-02	9.090E-02	9.090E-02	9.090E-02	9.090E-02	9.090E-02	9.090E-02	9.090E-02
9254.	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03	1.112E-03
10460.	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03	1.258E-03
12470.	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03	1.386E-03
14890.	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03	1.610E-03
18110.	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03	1.800E-03
22130.	1.983E-03	1.983E-03	1.983E-03	1.983E-03	1.983E-03	1.983E-03	1.983E-03	1.983E-03	1.983E-03	1.983E-03
26150.	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03	2.105E-03
30180.	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03	2.446E-03
36210.	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03	2.721E-03
44260.	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03	2.967E-03
52300.	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03	3.174E-03
60350.	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03	3.330E-03
68400.	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03	3.465E-03
76440.	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03	3.581E-03
84490.	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03	3.682E-03
92540.	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03	3.845E-03
104600.	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03	4.025E-03
124700.	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03	4.154E-03
148900.	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03	4.375E-03
201200.	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03	4.478E-03
281600.	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03	4.585E-03
442600.	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03
684000.	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03	4.646E-03

TABLE A.16.1. Early Dose for Pasquill F, 1.5 m/sec, Release Term is SST1:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE DIST (METERS)		(DEGREES)										
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	2.422E+05	2.395E+05	2.314E+05	2.184E+05	2.015E+05	1.817E+05	1.600E+05	1.377E+05	1.157E+05	9.495E+04	7.807E+04	7.807E+04
1207.	1.204E+05	1.173E+05	1.086E+05	9.542E+04	7.977E+04	6.293E+04	4.717E+04	3.347E+04	2.246E+04	1.424E+04	8.507E+03	8.507E+03
2012.	6.354E+04	6.103E+04	5.408E+04	4.414E+04	3.318E+04	2.294E+04	1.456E+04	8.459E+03	4.489E+03	2.169E+03	9.505E+02	9.505E+02
2816.	3.947E+04	3.750E+04	3.218E+04	2.486E+04	1.731E+04	1.082E+04	6.065E+03	3.036E+03	1.351E+03	5.324E+02	1.846E+02	1.846E+02
3621.	2.687E+04	2.532E+04	2.118E+04	1.568E+04	1.028E+04	5.950E+03	3.027E+03	1.349E+03	5.235E+02	1.759E+02	5.082E+01H	5.082E+01H
4428.	1.940E+04	1.816E+04	1.488E+04	1.068E+04	6.661E+03	3.621E+03	1.705E+03	6.918E+02	2.404E+02	7.106E+01	1.770E+01F	1.770E+01F
5230.	1.460E+04	1.359E+04	1.095E+04	7.627E+03	4.582E+03	2.365E+03	1.044E+03	3.922E+02	1.244E+02	3.306E+01H	7.285E+00D	7.285E+00D
6035.	1.134E+04	1.050E+04	8.339E+03	5.671E+03	3.292E+03	1.626E+03	6.794E+02	2.387E+02	7.002E+01	1.698E+01F	3.369E+00C	3.369E+00C
6840.	9.007E+03	8.309E+03	6.519E+03	4.342E+03	2.448E+03	1.163E+03	4.635E+02	1.538E+02	4.213E+01	9.437E+00	1.708E+00B	1.708E+00B
7644.	7.293E+03	6.704E+03	5.202E+03	3.402E+03	1.869E+03	8.586E+02	3.280E+02	1.035E+02	2.670E+01H	5.578E+00D	9.319E+01*	9.319E+01*
8851.	5.434E+03	4.971E+03	3.804E+03	2.430E+03	1.291E+03	5.680E+02	2.056E+02	6.074E+01	1.451E+01E	2.769E+00C	4.168E+01	4.168E+01
10480.	3.843E+03	3.497E+03	2.634E+03	1.638E+03	8.382E+02	3.510E+02	1.195E+02	3.277E+01H	7.167E+00D	1.234E+00B	1.649E+01	1.649E+01
12470.	2.602E+03	2.355E+03	1.745E+03	1.055E+03	5.192E+02	2.068E+02	6.598E+01	1.675E+01F	3.344E+00C	6.178E+01*	6.118E+02	6.118E+02
14890.	1.723E+03	1.551E+03	1.130E+03	6.849E+02	3.144E+02	1.188E+02	3.558E+01H	8.361E+00D	1.523E+00B	2.118E+01	2.211E+02	2.211E+02
18110.	1.048E+03	9.375E+02	6.707E+02	3.826E+02	1.733E+02	6.186E+01	1.727E+01F	3.727E+00C	6.138E+01*	7.593E+02	6.925E+03	6.925E+03
22130.	6.085E+02	5.411E+02	3.802E+02	2.104E+02	9.128E+01	3.080E+01H	8.012E+00D	1.588E+00B	2.363E+01	2.595E+02	2.061E+03	2.061E+03
26150.	3.747E+02	3.315E+02	2.293E+02	1.296E+02	5.104E+01	1.660E+01F	4.067E+00	7.498E+01*	1.025E+01	1.019E+02	7.228E+04	7.228E+04
30180.	2.409E+02	2.122E+02	1.448E+02	7.828E+01	3.087E+01H	9.518E+00D	2.214E+00C	3.833E+01	4.865E+02	4.442E+03	2.853E+04	2.853E+04
36210.	1.281E+02	1.122E+02	7.538E+01	3.867E+01F	1.507E+01F	4.424E+00C	9.874E+01*	1.564E+01	1.804E+02	1.484E+03	8.439E+05	8.439E+05
44280.	6.068E+01	5.283E+01	3.485E+01H	1.736E+01F	8.481E+00D	1.799E+00B	3.667E+01	5.412E+02	5.879E+03	4.147E+04	2.055E+05	2.055E+05
52300.	3.105E+01H	2.690E+01H	1.748E+01F	8.467E+00D	3.044E+00C	8.043E+01*	1.542E+01	2.114E+02	2.033E+03	1.342E+04	5.917E+06	5.917E+06
60360.	1.690E+01F	1.457E+01E	9.328E+00	4.414E+00	1.534E+00B	3.879E+01	7.043E+02	9.043E+03	8.053E+04	4.863E+05	1.937E+06	1.937E+06
68400.	9.704E+00	8.332E+00	5.268E+00D	2.440E+00C	8.231E+01*	2.001E+01	3.483E+02	4.194E+03	3.486E+04	1.943E+05	7.060E+07	7.060E+07
76440.	5.848E+00D	5.002E+00D	3.128E+00C	1.421E+00B	4.688E+01	1.096E+01	1.816E+02	2.087E+03	1.632E+04	8.467E+05	2.834E+07	2.834E+07
84490.	3.690E+00	3.145E+00	1.944E+00	8.684E+01	2.781E+01	6.319E+02	5.881E+03	6.157E+04	4.312E+05	3.953E+06	5.898E+08	5.898E+08
92540.	2.436E+00C	2.089E+00C	1.287E+00B	5.565E+01*	1.741E+01	3.838E+02	5.881E+03	6.157E+04	4.312E+05	1.970E+06	5.898E+08	5.898E+08
104600.	1.369E+00B	1.159E+00B	7.012E+01*	3.020E+01	9.188E+02	1.953E+02	2.859E+03	2.831E+04	1.856E+05	7.849E+07	2.076E+08	2.076E+08
124700.	6.475E+01*	5.445E+01*	3.235E+01	1.349E+01	3.924E+02	7.866E+03	1.071E+03	9.709E+05	5.736E+06	2.149E+07	.000E+00	.000E+00
148900.	3.692E+01	3.080E+01	1.785E+01	7.153E+02	1.986E+02	3.663E+03	4.580E+04	3.719E+05	1.943E+06	6.321E+08	.000E+00	.000E+00
201200.	.000E+00	1.525E+01	8.505E+02	3.198E+02	8.022E+03	1.329E+04	1.429E+04	7.783E+05	4.158E+07	1.065E+08	.000E+00	.000E+00
281600.	.000E+00	8.011E+02	4.289E+02	1.505E+02	3.428E+03	5.004E+04	4.600E+05	2.605E+06	8.853E+08	.000E+00	.000E+00	.000E+00
442800.	.000E+00	3.842E+02	1.832E+02	5.788E+03	1.137E+03	1.370E+04	9.928E+06	4.225E+07	1.025E+08	.000E+00	.000E+00	.000E+00
684000.	.000E+00	1.718E+02	8.145E+03	2.330E+03	3.978E+04	3.990E+05	2.302E+06	7.443E+08	.000E+00	.000E+00	.000E+00	.000E+00

TABLE A.16.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	5.949E-04	4.541E-04	3.382E-04	2.456E-04	1.740E-04	1.202E-04	8.094E-05	5.311E-05H	3.396E-05H	2.115E-05H	1.283E-05H
1207.	4.786E-03	2.530E-03	1.253E-03	5.809E-04H	2.511E-04H	1.010E-04H	3.765E-05H	1.297E-05H	4.113E-06C	1.195E-06B	3.171E-07
2012.	3.762E-02	1.338E-02H	4.256E-03H	1.202E-02E	2.997E-03C	6.540E-04*	1.238E-04	2.015E-05	2.787E-06	3.235E-07	3.109E-08
2816.	5.600E+01H	1.474E-01E	3.341E-00C	6.454E-01*	1.051E-01	1.425E-02	1.587E-03	1.428E-04	1.019E-05	5.652E-07	2.379E-08
3821.	1.251E+01E	2.602E-00C	4.518E-01	6.470E-02	7.531E-03	7.009E-04	5.120E-05	2.873E-06	1.208E-07	.000E+00	.000E+00
4428.	3.682E+00C	6.317E-01*	8.824E-02	9.884E-03	8.724E-04	5.947E-05	3.060E-06	1.161E-07	.000E+00	.000E+00	.000E+00
5230.	1.317E+00B	1.926E-01	2.245E-02	2.051E-03	1.438E-04	7.564E-06	2.917E-07	.000E+00	.000E+00	.000E+00	.000E+00
6035.	5.401E-01*	6.894E-02	6.891E-03	5.289E-04	3.050E-05	1.290E-06	3.856E-08	.000E+00	.000E+00	.000E+00	.000E+00
6840.	2.465E-01	2.791E-02	2.435E-03	1.602E-04	7.797E-06	2.709E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
7644.	1.227E-01	1.252E-02	9.700E-04	5.599E-05	2.335E-06	6.811E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
8851.	4.867E-02	4.329E-03	2.872E-04	1.885E-05	4.724E-07	1.102E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
10460.	1.680E-02	1.278E-03	7.097E-05	2.798E-06	7.588E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
12470.	5.413E-03	3.508E-04	1.623E-05	5.204E-07	1.117E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
14890.	1.697E-03	9.354E-05	3.800E-06	9.367E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
18110.	4.564E-04	2.105E-05	6.638E-07	1.379E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
22130.	1.166E-04	4.451E-06	1.139E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
26150.	3.562E-05	1.185E-06	2.570E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
30180.	1.266E-05	3.674E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
36210.	3.229E-06	8.048E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
44260.	6.711E-07	1.395E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
52300.	1.691E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
60350.	4.936E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
68400.	1.618E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)
44.0	46.0

A-123

TABLE A.16.1.

[illegible]

TABLE A.16.2. Early Dose for Pasquill F, 1.5 m/sec. Release Term is SST1:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)		DIST (METERS)													
		0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0			
	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
	1207.	1.119E-05	3.301E-05	5.319E-05	7.093E-05	8.573E-05	9.743E-05	1.062E-04	1.124E-04	1.166E-04	1.192E-04	1.206E-04	1.208E-04	1.209E-04	1.209E-04
	2012.	2.479E-05	7.272E-05	1.160E-04	1.527E-04	1.817E-04	2.032E-04	2.182E-04	2.280E-04	2.341E-04	2.377E-04	2.397E-04	2.408E-04	2.414E-04	2.418E-04
	2818.	3.657E-05	1.069E-04	1.694E-04	2.209E-04	2.602E-04	2.882E-04	3.068E-04	3.185E-04	3.254E-04	3.293E-04	3.314E-04	3.326E-04	3.336E-04	3.344E-04
	3621.	4.768E-05	1.366E-04	2.185E-04	2.828E-04	3.306E-04	3.635E-04	3.846E-04	3.973E-04	4.046E-04	4.087E-04	4.108E-04	4.120E-04	4.130E-04	4.138E-04
	4428.	5.724E-05	1.664E-04	2.611E-04	3.360E-04	3.904E-04	4.269E-04	4.497E-04	4.631E-04	4.707E-04	4.748E-04	4.770E-04	4.782E-04	4.792E-04	4.799E-04
	5230.	6.586E-05	1.911E-04	2.987E-04	3.826E-04	4.424E-04	4.817E-04	5.057E-04	5.190E-04	5.273E-04	5.315E-04	5.336E-04	5.350E-04	5.360E-04	5.368E-04
	6035.	7.358E-05	2.131E-04	3.320E-04	4.237E-04	4.880E-04	5.295E-04	5.544E-04	5.686E-04	5.765E-04	5.806E-04	5.826E-04	5.840E-04	5.850E-04	5.858E-04
	6840.	8.053E-05	2.329E-04	3.619E-04	4.603E-04	5.283E-04	5.716E-04	5.973E-04	6.117E-04	6.196E-04	6.238E-04	6.260E-04	6.274E-04	6.284E-04	6.292E-04
	7644.	8.681E-05	2.507E-04	3.886E-04	4.929E-04	5.641E-04	6.089E-04	6.351E-04	6.498E-04	6.577E-04	6.619E-04	6.641E-04	6.655E-04	6.665E-04	6.673E-04
	8451.	9.165E-05	2.870E-04	4.430E-04	5.587E-04	6.361E-04	6.835E-04	7.107E-04	7.250E-04	7.336E-04	7.378E-04	7.400E-04	7.414E-04	7.424E-04	7.432E-04
	10460.	1.104E-04	3.172E-04	4.876E-04	6.127E-04	6.947E-04	7.441E-04	7.720E-04	7.871E-04	7.951E-04	7.994E-04	8.015E-04	8.029E-04	8.039E-04	8.047E-04
	12470.	1.233E-04	3.537E-04	5.417E-04	6.771E-04	7.643E-04	8.156E-04	8.443E-04	8.590E-04	8.677E-04	8.719E-04	8.741E-04	8.755E-04	8.765E-04	8.773E-04
	14890.	1.337E-04	3.826E-04	5.842E-04	7.275E-04	8.185E-04	8.714E-04	9.003E-04	9.157E-04	9.238E-04	9.280E-04	9.302E-04	9.316E-04	9.326E-04	9.334E-04
	18110.	1.494E-04	4.264E-04	6.481E-04	8.029E-04	8.991E-04	9.538E-04	9.833E-04	9.989E-04	1.007E-03	1.011E-03	1.013E-03	1.014E-03	1.015E-03	1.015E-03
22130.	1.605E-04	4.575E-04	6.931E-04	8.557E-04	9.562E-04	1.011E-03	1.041E-03	1.058E-03	1.064E-03	1.069E-03	1.071E-03	1.072E-03	1.073E-03	1.073E-03	
26150.	1.687E-04	4.799E-04	7.256E-04	8.934E-04	9.962E-04	1.052E-03	1.082E-03	1.097E-03	1.105E-03	1.108E-03	1.110E-03	1.111E-03	1.112E-03	1.112E-03	
30180.	1.747E-04	4.967E-04	7.496E-04	9.213E-04	1.025E-03	1.082E-03	1.112E-03	1.127E-03	1.135E-03	1.140E-03	1.142E-03	1.143E-03	1.144E-03	1.144E-03	
36210.	1.859E-04	5.274E-04	7.934E-04	9.719E-04	1.078E-03	1.136E-03	1.166E-03	1.182E-03	1.190E-03	1.194E-03	1.196E-03	1.197E-03	1.198E-03	1.198E-03	
44260.	1.924E-04	5.453E-04	8.188E-04	1.001E-03	1.108E-03	1.167E-03	1.197E-03	1.213E-03	1.221E-03	1.225E-03	1.227E-03	1.228E-03	1.229E-03	1.229E-03	
52300.	1.967E-04	5.571E-04	8.354E-04	1.020E-03	1.128E-03	1.187E-03	1.217E-03	1.233E-03	1.241E-03	1.245E-03	1.247E-03	1.248E-03	1.249E-03	1.249E-03	
60350.	1.995E-04	5.645E-04	8.459E-04	1.032E-03	1.141E-03	1.199E-03	1.230E-03	1.245E-03	1.253E-03	1.258E-03	1.260E-03	1.261E-03	1.262E-03	1.262E-03	
68400.	2.011E-04	5.689E-04	8.520E-04	1.039E-03	1.148E-03	1.206E-03	1.237E-03	1.252E-03	1.261E-03	1.265E-03	1.267E-03	1.268E-03	1.269E-03	1.269E-03	
76440.	2.022E-04	5.718E-04	8.561E-04	1.043E-03	1.153E-03	1.211E-03	1.242E-03	1.257E-03	1.265E-03	1.270E-03	1.272E-03	1.273E-03	1.274E-03	1.274E-03	
84490.	2.029E-04	5.739E-04	8.590E-04	1.047E-03	1.156E-03	1.215E-03	1.246E-03	1.261E-03	1.269E-03	1.273E-03	1.275E-03	1.276E-03	1.277E-03	1.277E-03	
92540.	2.035E-04	5.754E-04	8.610E-04	1.049E-03	1.158E-03	1.217E-03	1.247E-03	1.263E-03	1.271E-03	1.275E-03	1.278E-03	1.279E-03	1.280E-03	1.280E-03	
104600.	2.042E-04	5.773E-04	8.636E-04	1.052E-03	1.161E-03	1.220E-03	1.250E-03	1.265E-03	1.274E-03	1.278E-03	1.281E-03	1.282E-03	1.283E-03	1.283E-03	
124700.	2.048E-04	5.788E-04	8.658E-04	1.054E-03	1.164E-03	1.223E-03	1.253E-03	1.268E-03	1.277E-03	1.281E-03	1.283E-03	1.284E-03	1.285E-03	1.285E-03	
148900.	2.052E-04	5.799E-04	8.673E-04	1.056E-03	1.166E-03	1.224E-03	1.254E-03	1.270E-03	1.278E-03	1.283E-03	1.285E-03	1.286E-03	1.287E-03	1.287E-03	
201200.	2.052E-04	5.814E-04	8.696E-04	1.059E-03	1.168E-03	1.227E-03	1.257E-03	1.273E-03	1.281E-03	1.286E-03	1.288E-03	1.289E-03	1.290E-03	1.290E-03	
281600.	2.052E-04	5.825E-04	8.713E-04	1.060E-03	1.170E-03	1.229E-03	1.259E-03	1.275E-03	1.283E-03	1.287E-03	1.289E-03	1.290E-03	1.291E-03	1.291E-03	
442600.	2.052E-04	5.849E-04	8.748E-04	1.064E-03	1.174E-03	1.233E-03	1.263E-03	1.279E-03	1.287E-03	1.291E-03	1.293E-03	1.294E-03	1.295E-03	1.295E-03	
684000.	2.052E-04	5.866E-04	8.774E-04	1.067E-03	1.177E-03	1.236E-03	1.266E-03	1.282E-03	1.290E-03	1.294E-03	1.296E-03	1.297E-03	1.298E-03	1.298E-03	

TABLE A.16.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	1.217E-06	1.222E-06	1.224E-06	1.225E-06	1.226E-06	1.226E-06	1.226E-06	1.226E-06	1.226E-06	1.226E-06	1.226E-06
2012.	2.407E-06	2.413E-06	2.415E-06	2.416E-06	2.417E-06	2.417E-06	2.417E-06	2.417E-06	2.417E-06	2.417E-06	2.417E-06
2816.	3.325E-06	3.330E-06	3.333E-06	3.334E-06	3.334E-06	3.334E-06	3.334E-06	3.334E-06	3.334E-06	3.334E-06	3.334E-06
3621.	4.119E-06	4.125E-06	4.127E-06	4.128E-06	4.129E-06	4.129E-06	4.129E-06	4.129E-06	4.129E-06	4.129E-06	4.129E-06
4426.	4.781E-06	4.786E-06	4.789E-06	4.790E-06	4.790E-06	4.790E-06	4.790E-06	4.790E-06	4.790E-06	4.790E-06	4.790E-06
5230.	5.347E-06	5.353E-06	5.355E-06	5.357E-06	5.357E-06	5.357E-06	5.357E-06	5.357E-06	5.357E-06	5.357E-06	5.357E-06
6035.	5.839E-06	5.844E-06	5.847E-06	5.848E-06	5.849E-06	5.849E-06	5.849E-06	5.849E-06	5.849E-06	5.849E-06	5.849E-06
6840.	6.271E-06	6.276E-06	6.279E-06	6.280E-06	6.280E-06	6.280E-06	6.280E-06	6.280E-06	6.280E-06	6.280E-06	6.280E-06
7644.	6.652E-06	6.657E-06	6.660E-06	6.661E-06	6.661E-06	6.661E-06	6.661E-06	6.661E-06	6.661E-06	6.661E-06	6.661E-06
8449.	7.411E-06	7.417E-06	7.419E-06	7.420E-06	7.421E-06	7.421E-06	7.421E-06	7.421E-06	7.421E-06	7.421E-06	7.421E-06
10460.	8.028E-06	8.032E-06	8.034E-06	8.035E-06	8.036E-06	8.036E-06	8.036E-06	8.036E-06	8.036E-06	8.036E-06	8.036E-06
12470.	8.752E-06	8.757E-06	8.759E-06	8.760E-06	8.761E-06	8.761E-06	8.761E-06	8.761E-06	8.761E-06	8.761E-06	8.761E-06
14890.	9.313E-06	9.318E-06	9.321E-06	9.322E-06	9.323E-06	9.323E-06	9.323E-06	9.323E-06	9.323E-06	9.323E-06	9.323E-06
18110.	1.014E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07	1.015E-07
22130.	1.072E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07	1.073E-07
26150.	1.113E-07	1.113E-07	1.114E-07	1.114E-07	1.114E-07	1.114E-07	1.114E-07	1.114E-07	1.114E-07	1.114E-07	1.114E-07
30180.	1.143E-07	1.143E-07	1.144E-07	1.144E-07	1.144E-07	1.144E-07	1.144E-07	1.144E-07	1.144E-07	1.144E-07	1.144E-07
36210.	1.197E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07	1.198E-07
44260.	1.228E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07	1.229E-07
52300.	1.248E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07	1.249E-07
60350.	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07	1.261E-07
68400.	1.268E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07	1.269E-07
76440.	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07	1.273E-07
84490.	1.276E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07	1.277E-07
92540.	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07	1.279E-07
104600.	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07	1.282E-07
124700.	1.284E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07	1.285E-07
148900.	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07	1.286E-07
201200.	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07	1.289E-07
281600.	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07	1.291E-07
442600.	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07	1.295E-07
684000.	1.297E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07	1.298E-07

TABLE A.16.2.

[illegible]

TABLE A.16.2. (Continued)

[illegible]

TABLE A.17.1. Early Dose for Pasquill F, 1.5 m/sec, Release Term is SST2:
70-Year Effective Dose for an Individual

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)																	
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0							
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	5.960E+03	5.892E+03	5.692E+03	5.373E+03	4.968E+03	4.466E+03	3.932E+03	3.382E+03	2.840E+03	2.329E+03	1.865E+03							
1207.	3.045E+03	2.987E+03	2.745E+03	2.412E+03	2.010E+03	1.589E+03	1.190E+03	8.439E+02	5.658E+02	3.582E+02	2.139E+02H							
2012.	1.655E+03	1.590E+03	1.408E+03	1.149E+03	8.639E+02	5.964E+02	3.781E+02	2.195E+02	1.164E+02	6.616E+01H	2.468E+01G							
2818.	1.055E+03	1.002E+03	8.593E+02	6.840E+02	4.620E+02	2.887E+02	1.618E+02	8.082E+01	3.593E+01H	1.414E+01E	4.898E+00C							
3621.	7.357E+02	6.931E+02	5.793E+02	4.291E+02	2.811E+02	1.625E+02	8.261E+01	3.677E+01H	1.425E+01E	4.783E+00C	1.380E+00B							
4428.	5.430E+02	5.081E+02	4.162E+02	2.980E+02	1.861E+02	1.011E+02	4.755E+01	1.927E+01F	6.690E+00D	1.974E+00B	4.911E+01							
5230.	4.166E+02	3.877E+02	3.123E+02	2.174E+02	1.305E+02	6.732E+01	2.970E+01H	1.114E+01E	3.529E+00	9.363E+01*	2.080E+01							
6036.	3.294E+02	3.050E+02	2.422E+02	1.646E+02	9.550E+01	4.712E+01	1.967E+01F	6.903E+00D	2.022E+00C	4.896E+01	9.699E+02							
6840.	2.663E+02	2.456E+02	1.926E+02	1.282E+02	7.224E+01	3.430E+01	1.365E+01E	4.523E+00	1.237E+00B	2.769E+01	5.001E+02							
7644.	2.193E+02	2.015E+02	1.563E+02	1.022E+02	5.607E+01	2.574E+01H	9.821E+00	3.093E+00C	7.970E+01*	1.663E+01	2.773E+02							
8651.	1.677E+02	1.534E+02	1.173E+02	7.488E+01	3.975E+01	1.746E+01F	6.311E+00D	1.861E+00	4.437E+01	8.451E+02	1.269E+02							
10460.	1.224E+02	1.114E+02	8.386E+01	5.211E+01	2.663E+01H	1.114E+01E	3.784E+00	1.036E+00B	2.260E+01	3.883E+02	5.175E+03							
12470.	8.634E+01	7.813E+01	5.784E+01	3.495E+01H	1.717E+01F	6.818E+00D	2.172E+00C	5.503E+01*	1.096E+01	1.691E+02	1.992E+03							
14890.	5.984E+01	5.385E+01	3.920E+01H	2.303E+01G	1.087E+01E	4.101E+00	1.225E+00B	2.871E+01	5.212E+02	7.226E+03	7.517E+04							
18110.	3.880E+01H	3.470E+01H	2.480E+01G	1.412E+01E	6.380E+00D	2.272E+00C	6.319E+01*	1.369E+01	2.228E+02	2.744E+03	2.491E+04							
22130.	2.436E+01G	2.185E+01G	1.519E+01F	8.390E+00	3.628E+00	1.220E+00B	3.161E+01	6.236E+02	9.233E+03	1.009E+04	3.009E+05							
26150.	1.823E+01F	1.435E+01E	9.910E+00	5.329E+00D	2.220E+00C	7.108E+01*	1.739E+01	3.178E+02	4.319E+03	2.009E+04	1.261E+05							
30180.	1.131E+01E	9.955E+00	6.781E+00D	3.584E+00	1.437E+00B	4.411E+01	1.020E+01	1.756E+02	2.215E+03	2.502E+04	2.31E+05							
36210.	6.934E+00D	6.070E+00D	4.066E+00	2.077E+00C	8.048E+01*	2.345E+01	5.084E+02	8.092E+03	9.299E+04	7.585E+05	4.255E+06							
44260.	4.001E+00	3.480E+00	2.288E+00C	1.132E+00B	4.194E+01	1.52E+01	2.322E+02	3.383E+03	3.502E+04	2.521E+05	1.231E+06							
52300.	2.525E+00C	2.185E+00C	1.412E+00B	6.799E+01*	2.422E+01	6.324E+02	1.196E+02	1.616E+03	1.530E+04	9.928E+05	4.305E+07							
60360.	1.705E+00	1.488E+00	9.352E+01	4.392E+01	1.510E+01	3.769E+02	6.743E+03	8.516E+04	7.451E+05	4.418E+06	1.727E+07							
68400.	1.222E+00B	1.047E+00B	6.585E+01*	3.025E+01	1.009E+01	2.418E+02	4.114E+03	4.893E+04	3.989E+05	2.178E+06	7.748E+08							
76440.	9.188E+01	7.844E+01	4.875E+01	2.196E+01	7.123E+02	1.647E+02	2.681E+03	3.023E+04	2.314E+05	1.174E+06	3.842E+08							
84490.	7.188E+01	6.115E+01*	3.759E+01	1.663E+01	5.257E+02	1.176E+02	1.837E+03	1.972E+04	1.425E+05	6.788E+07	2.053E+08							
92540.	5.809E+01*	4.928E+01	2.998E+01	1.305E+01	4.030E+02	8.747E+03	1.315E+03	1.350E+04	9.251E+05	4.130E+07	1.166E+08							
104600.	4.417E+01	3.729E+01	2.240E+01	9.537E+02	2.858E+02	5.952E+03	8.517E+04	8.226E+05	6.249E+06	2.158E+07	.000E+00							
124700.	.000E+00	2.581E+01	1.521E+01	6.269E+02	1.793E+02	3.522E+03	4.881E+04	4.135E+05	2.375E+06	8.638E+08	.000E+00							
148900.	.000E+00	1.840E+01	1.062E+01	4.227E+02	1.151E+02	2.122E+03	2.967E+04	2.096E+05	1.077E+06	3.446E+08	.000E+00							
201200.	.000E+00	1.079E+01	6.003E+02	2.248E+02	5.614E+03	9.244E+04	9.873E+05	6.705E+06	2.825E+07	.000E+00	.000E+00							
281600.	.000E+00	6.192E+02	3.312E+02	1.160E+02	2.637E+03	3.836E+04	3.516E+05	1.984E+06	6.713E+08	.000E+00	.000E+00							
442600.	.000E+00	3.005E+02	1.510E+02	4.767E+03	9.354E+04	1.125E+05	8.131E+06	3.451E+07	.000E+00	.000E+00	.000E+00							
684000.	.000E+00	1.429E+02	6.772E+03	1.937E+03	3.307E+04	3.316E+05	1.913E+06	6.182E+08	.000E+00	.000E+00	.000E+00							

TABLE A.17.1. (Continued)

ANGLE FROM CENTERLINE (DEGREES)												
DIST (METERS)	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	1.458E+03	1.112E+03	8.273E+02	6.005E+02H	4.251E+02H	2.934E+02H	1.974E+02H	1.294E+02H	8.268E+01H	5.145E+01H	3.118E+01H	
1207.	1.202E+02H	6.346E+01H	3.141E+01H	1.454E+01E	6.278E+00D	2.521E+00C	9.389E+01*	3.231E+01	1.023E+01	2.971E+02	7.870E+03	
2012.	9.716E+00D	3.452E+00C	1.096E+00B	3.092E+01	7.697E+02	1.677E+02	3.171E+03	5.152E+04	7.115E+05	8.249E+06	7.917E+07	
2816.	1.483E+00B	3.900E+01	8.825E+02	1.702E+02	2.768E+03	3.748E+04	4.166E+05	3.742E+06	2.687E+07	1.477E+08	.000E+00	
3821.	3.389E+01	7.043E+02	1.221E+02	1.745E+03	2.028E+04	1.885E+05	1.374E+06	7.698E+08	.000E+00	.000E+00	.000E+00	
4426.	1.020E+01	1.747E+02	2.436E+03	2.724E+04	4.033E+05	1.633E+06	8.388E+08	.000E+00	.000E+00	.000E+00	.000E+00	
5230.	3.718E+02	5.429E+03	6.319E+04	5.761E+05	4.033E+06	2.117E+07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
6035.	1.552E+02	1.978E+03	1.973E+04	1.512E+05	8.700E+07	3.687E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
6840.	7.205E+03	8.143E+04	7.089E+05	4.654E+06	2.259E+07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
7644.	3.644E+03	3.710E+04	2.869E+05	1.651E+06	8.865E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
8851.	1.478E+03	1.312E+04	8.680E+06	4.177E+07	1.421E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
10460.	5.257E+04	3.990E+05	2.209E+06	8.685E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
12470.	1.757E+04	1.135E+05	5.232E+07	1.672E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
14890.	5.749E+05	3.157E+06	1.210E+07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
18110.	1.630E+05	7.499E+07	2.353E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
22130.	4.442E+06	1.700E+07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
26150.	1.473E+06	4.868E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
30180.	5.597E+07	1.628E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
36210.	1.610E+07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
44260.	3.983E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
52300.	1.210E+08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)
44.0	48.0

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TABLE A.17.1.

[illegible]

TABLE A.17.2. Early Dose for Pasquill F, 1.5 m/sec, Release Term is SST2:
Cumulative Effective Dose Commitment Avoided

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)										
	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	2.830E-03	8.346E-03	1.345E-04	1.793E-04	2.167E-04	2.462E-04	2.684E-04	2.841E-04	2.948E-04	3.012E-04	3.052E-04H
2012.	6.372E-03	1.869E-04	2.982E-04	3.922E-04	4.665E-04	5.216E-04	5.599E-04	5.850E-04	6.005E-04	6.095E-04H	6.146E-04G
2816.	9.522E-03	2.783E-04	4.409E-04	5.745E-04	6.784E-04	7.487E-04	7.967E-04	8.268E-04	8.443E-04H	8.542E-04E	8.595E-04C
3821.	1.254E-04	3.652E-04	5.753E-04	7.441E-04	8.690E-04	9.546E-04	1.009E-05	1.042E-05H	1.061E-05E	1.071E-05C	1.077E-05B
4426.	1.524E-04	4.429E-04	6.944E-04	8.929E-04	1.038E-05	1.132E-05	1.192E-05	1.228E-05F	1.248E-05D	1.258E-05B	1.262E-05
5230.	1.770E-04	5.132E-04	8.016E-04	1.026E-05	1.185E-05	1.288E-05	1.351E-05H	1.387E-05E	1.407E-05	1.418E-05*	1.423E-05
6035.	1.994E-04	5.772E-04	8.985E-04	1.145E-05	1.317E-05	1.427E-05	1.493E-05F	1.530E-05D	1.550E-05C	1.561E-05	1.566E-05
6840.	2.200E-04	6.357E-04	9.868E-04	1.263E-05	1.438E-05	1.552E-05	1.619E-05E	1.657E-05	1.677E-05B	1.688E-05	1.694E-05
7844.	2.388E-04	6.892E-04	1.067E-05	1.351E-05	1.544E-05	1.694E-05F	1.804E-05H	1.771E-05C	1.792E-05*	1.803E-05	1.808E-05
8851.	2.785E-04	8.013E-04	1.235E-05	1.554E-05	1.766E-05	1.894E-05F	1.968E-05D	2.005E-05	2.026E-05	2.037E-05	2.042E-05
10460.	3.126E-04	8.975E-04	1.378E-05	1.726E-05	1.952E-05H	2.087E-05E	2.181E-05	2.201E-05B	2.222E-05	2.233E-05	2.238E-05
12470.	3.557E-04	1.019E-05	1.556E-05	1.940E-05G	2.183E-05F	2.324E-05D	2.401E-05C	2.441E-05*	2.462E-05	2.473E-05	2.479E-05
14890.	3.915E-04	1.119E-05	1.704E-05H	2.115E-05G	2.371E-05E	2.517E-05	2.595E-05B	2.636E-05	2.657E-05	2.668E-05	2.673E-05
18110.	4.497E-04H	1.281E-05H	1.940E-05G	2.393E-05E	2.699E-05D	2.822E-05C	2.902E-05*	2.943E-05	2.984E-05	2.975E-05	2.980E-05
22130.	4.944E-04G	1.405E-05G	2.120E-05F	2.604E-05	2.893E-05	3.051E-05B	3.132E-05	3.173E-05	3.194E-05	3.205E-05	3.211E-05
26150.	5.295E-04F	1.503E-05E	2.261E-05	2.769E-05	3.066E-05C	3.226E-05*	3.308E-05	3.350E-05	3.371E-05	3.382E-05	3.387E-05
30180.	5.680E-04E	1.581E-05	2.373E-05D	2.898E-05	3.204E-05B	3.367E-05	3.449E-05	3.491E-05	3.512E-05	3.523E-05	3.528E-05
36210.	6.185E-04D	1.748E-05D	2.611E-05	3.172E-05C	3.492E-05*	3.658E-05	3.742E-05	3.783E-05	3.805E-05	3.815E-05	3.821E-05
44260.	6.615E-04	1.865E-05	2.778E-05C	3.363E-05B	3.692E-05	3.861E-05	3.945E-05	3.987E-05	4.008E-05	4.019E-05	4.024E-05
52300.	6.985E-04C	1.961E-05C	2.912E-05B	3.517E-05*	3.852E-05	4.023E-05	4.108E-05	4.149E-05	4.170E-05	4.181E-05	4.187E-05
60350.	7.242E-04	2.038E-05	3.018E-05	3.637E-05	3.977E-05	4.149E-05	4.234E-05	4.276E-05	4.297E-05	4.308E-05	4.313E-05
68400.	7.444E-04B	2.091E-05B	3.095E-05*	3.723E-05	4.067E-05	4.240E-05	4.324E-05	4.366E-05	4.387E-05	4.398E-05	4.404E-05
76440.	7.615E-04	2.138E-05	3.169E-05	3.796E-05	4.142E-05	4.318E-05	4.401E-05	4.443E-05	4.464E-05	4.475E-05	4.480E-05
84490.	7.763E-04	2.177E-05*	3.214E-05	3.858E-05	4.207E-05	4.381E-05	4.466E-05	4.507E-05	4.529E-05	4.539E-05	4.545E-05
92540.	7.895E-04*	2.213E-05	3.284E-05	3.913E-05	4.264E-05	4.438E-05	4.523E-05	4.565E-05	4.586E-05	4.597E-05	4.602E-05
104600.	8.119E-04	2.273E-05	3.347E-05	4.006E-05	4.359E-05	4.534E-05	4.619E-05	4.661E-05	4.682E-05	4.693E-05	4.699E-05
124700.	8.119E-04	2.320E-05	3.422E-05	4.093E-05	4.449E-05	4.625E-05	4.710E-05	4.752E-05	4.773E-05	4.784E-05	4.789E-05
148900.	8.119E-04	2.361E-05	3.485E-05	4.165E-05	4.524E-05	4.701E-05	4.786E-05	4.827E-05	4.849E-05	4.859E-05	4.865E-05
201200.	8.119E-04	2.467E-05	3.650E-05	4.352E-05	4.717E-05	4.894E-05	4.979E-05	5.021E-05	5.042E-05	5.053E-05	5.058E-05
281600.	8.119E-04	2.552E-05	3.780E-05	4.498E-05	4.867E-05	5.044E-05	5.129E-05	5.171E-05	5.193E-05	5.203E-05	5.209E-05
442600.	8.119E-04	2.746E-05	4.073E-05	4.822E-05	5.197E-05	5.375E-05	5.460E-05	5.502E-05	5.523E-05	5.534E-05	5.539E-05
684000.	8.119E-04	2.889E-05	4.284E-05	5.052E-05	5.430E-05	5.609E-05	5.694E-05	5.736E-05	5.757E-05	5.768E-05	5.773E-05

TABLE A.17.2. (Continued)

ANGLE FROM
CENTERLINE
(DEGREES)

DIST
(METERS)

22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00	.000E+00	.000E+00	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H
1207.	3.074E+04H	3.086E+04H	3.092E+04H	3.096E+04E	3.096E+04D	3.096E+04C	3.097E+04	3.097E+04	3.097E+04	3.097E+04
2012.	6.172E+04D	6.185E+04C	6.192E+04B	6.194E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04
2816.	8.622E+04B	8.636E+04	8.642E+04	8.645E+04	8.646E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04
3821.	1.080E+05	1.081E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05
4426.	1.265E+05	1.266E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05
5230.	1.428E+05	1.428E+05	1.428E+05	1.428E+05	1.428E+05	1.428E+05	1.428E+05	1.428E+05	1.428E+05	1.428E+05
6036.	1.598E+05	1.570E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05
6840.	1.696E+05	1.698E+05	1.698E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05
7644.	1.811E+05	1.812E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05
8851.	2.045E+05	2.046E+05	2.047E+05	2.047E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05
10460.	2.241E+05	2.242E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05
12470.	2.481E+05	2.483E+05	2.483E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05
14890.	2.676E+05	2.677E+05	2.678E+05	2.678E+05	2.678E+05	2.678E+05	2.678E+05	2.678E+05	2.678E+05	2.678E+05
18110.	2.983E+05	2.985E+05	2.985E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05
22130.	3.213E+05	3.215E+05	3.215E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05
26150.	3.390E+05	3.392E+05	3.392E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05
30180.	3.531E+05	3.532E+05	3.532E+05	3.533E+05	3.533E+05	3.533E+05	3.533E+05	3.533E+05	3.533E+05	3.533E+05
38210.	3.824E+05	3.826E+05	3.826E+05	3.828E+05	3.828E+05	3.828E+05	3.828E+05	3.828E+05	3.828E+05	3.828E+05
44260.	4.027E+05	4.029E+05	4.029E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05
52300.	4.190E+05	4.191E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05
60350.	4.316E+05	4.317E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05
68400.	4.407E+05	4.408E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05
76440.	4.483E+05	4.484E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05
84490.	4.548E+05	4.549E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05
92540.	4.605E+05	4.606E+05	4.607E+05	4.607E+05	4.607E+05	4.607E+05	4.607E+05	4.607E+05	4.607E+05	4.607E+05
104600.	4.702E+05	4.703E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05
124700.	4.792E+05	4.793E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05
148900.	4.869E+05	4.869E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05
201200.	5.061E+05	5.062E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05
281600.	5.212E+05	5.213E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05
442600.	5.542E+05	5.544E+05	5.544E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05
684000.	5.776E+05	5.777E+05	5.778E+05	5.778E+05	5.778E+05	5.778E+05	5.778E+05	5.778E+05	5.778E+05	5.778E+05

TABLE A.17.2. (Continued)

ANGLE FROM CENTERLINE		(DEGREES)											
		44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	
DIST (METERS)	201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
	604.	.000E+00F	.000E+00E	.000E+00D	.000E+00C	.000E+00B	.000E+00A	.000E+00*	.000E+00	.000E+00	.000E+00	.000E+00	
1207.	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	3.097E+04	
2012.	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	6.196E+04	
2816.	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	8.647E+04	
3621.	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	1.082E+05	
4426.	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	1.267E+05	
5230.	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	1.429E+05	
6036.	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	1.571E+05	
6840.	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	1.699E+05	
7644.	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	1.813E+05	
8451.	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	2.048E+05	
10460.	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	2.243E+05	
12470.	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	2.484E+05	
14890.	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	2.679E+05	
18110.	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	2.986E+05	
22130.	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	3.216E+05	
26150.	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	3.393E+05	
30180.	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	3.534E+05	
36210.	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	3.826E+05	
44260.	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	4.030E+05	
52300.	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	4.192E+05	
60360.	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	4.318E+05	
68400.	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	4.409E+05	
76440.	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	4.485E+05	
84490.	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	4.550E+05	
92640.	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	4.608E+05	
104600.	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	4.704E+05	
124700.	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	4.794E+05	
148900.	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	4.870E+05	
201200.	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	5.063E+05	
281600.	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	5.214E+05	
362600.	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	5.545E+05	
442600.	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	
684000.	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	5.779E+05	

TABLE A.17.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0
		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
201.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.		.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.		3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04	3.097E-04
2012.		6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04	6.196E-04
2816.		8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04	8.647E-04
3621.		1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05	1.082E-05
4428.		1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05	1.267E-05
5230.		1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05	1.429E-05
6035.		1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05	1.571E-05
6840.		1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05	1.699E-05
7644.		1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05	1.813E-05
8451.		2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05	2.048E-05
10460.		2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05	2.243E-05
12470.		2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05	2.484E-05
14890.		2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05	2.679E-05
18110.		2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05	2.986E-05
22130.		3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05	3.216E-05
26150.		3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05	3.393E-05
30180.		3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05	3.534E-05
36210.		3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05	3.826E-05
44260.		4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05	4.030E-05
52300.		4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05	4.192E-05
60350.		4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05	4.318E-05
68400.		4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05	4.409E-05
76440.		4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05	4.485E-05
84490.		4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05	4.550E-05
92540.		4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05	4.608E-05
104600.		4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05	4.704E-05
124700.		4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05	4.794E-05
148900.		4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05	4.870E-05
201200.		5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05	5.063E-05
261600.		5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05	5.214E-05
442600.		5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05	5.545E-05
684000.		5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05	5.779E-05

TABLE A.18.1. Early Dose for Pasquill F, 1.5 m/sec, Release Term is SST3:
70-Year Effective Dose for an Individual

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0		
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	4.203E+01H	4.170E+01H	4.073E+01H	3.915E+01H	3.704E+01H	3.449E+01H	3.161E+01H	2.850E+01H	2.529E+01H	2.207E+01G	1.894E+01G	1.594E+01G	
1207.	2.152E+01G	2.114E+01G	2.003E+01G	1.830E+01F	1.613E+01F	1.370E+01F	1.121E+01E	8.825E+00D	6.883E+00D	4.863E+00D	3.396E+00C	2.207E+00C	
2012.	1.172E+01E	1.139E+01E	1.047E+01E	9.084E+00D	7.442E+00D	5.749E+00D	4.182E+00D	2.860E+00C	1.836E+00B	1.103E+00B	6.191E+01*	1.730E+01	
2816.	7.475E+00	7.212E+00D	6.474E+00D	5.405E+00D	4.192E+00	3.016E+00C	2.008E+00C	1.236E+00B	7.000E+01*	3.640E+01	1.730E+01	6.349E+02	
3621.	5.204E+00D	4.991E+00	4.401E+00	3.568E+00	2.651E+00C	1.805E+00	1.123E+00B	6.362E+01*	3.272E+01	1.520E+01	6.349E+02	2.789E+02	
4428.	3.829E+00	3.684E+00	3.177E+00	2.513E+00C	1.808E+00	1.176E+00B	6.928E+01*	3.674E+01	1.747E+01	7.414E+02	2.789E+02	1.393E+02	
5230.	2.932E+00	2.788E+00	2.395E+00	1.857E+00	1.298E+00B	8.151E+01	4.587E+01	1.531E+01	6.456E+02	2.382E+02	7.626E+03	2.782E+03	
6036.	2.315E+00C	2.193E+00C	1.865E+00	1.422E+00	9.701E+01	5.905E+01*	3.196E+01	1.064E+01	4.277E+02	1.492E+02	4.478E+03	2.782E+03	
6840.	1.866E+00	1.763E+00	1.486E+00	1.117E+00B	7.461E+01*	4.420E+01	2.313E+01	1.064E+01	4.277E+02	1.492E+02	4.478E+03	2.782E+03	
7644.	1.533E+00	1.445E+00	1.209E+00B	8.984E+01	5.881E+01*	3.402E+01	1.728E+01	7.670E+02	2.955E+02	9.812E+02	4.782E+03	2.782E+03	
8851.	1.167E+00B	1.096E+00B	9.079E+01	6.623E+01*	4.245E+01	2.362E+01	1.165E+01	4.938E+02	1.802E+02	6.615E+03	1.480E+03	7.139E+04	
10480.	8.483E+01	7.939E+01	6.503E+01*	4.658E+01	2.905E+01	1.574E+01	7.374E+02	2.966E+02	1.017E+02	2.947E+03	1.473E+03	3.272E+04	
12470.	5.939E+01*	5.536E+01*	4.482E+01	3.147E+01	1.910E+01	9.985E+02	4.471E+02	1.704E+02	5.478E+03	1.789E+04	1.463E+04	6.890E+05	
14890.	4.090E+01	3.797E+01	3.038E+01	2.091E+01	1.234E+01	6.215E+02	2.658E+02	9.582E+03	2.886E+03	1.390E+03	3.186E+04	2.291E+05	
18110.	.000E+00	2.430E+01	1.920E+01	1.293E+01	7.400E+02	4.298E+02	2.000E+02	7.747E+03	2.477E+03	6.473E+04	1.365E+04	1.015E+06	
22130.	.000E+00	1.505E+01	1.174E+01	7.740E+02	4.943E+02	2.673E+02	1.202E+02	4.461E+03	1.365E+03	3.334E+04	6.568E+05	4.950E+06	
26150.	.000E+00	9.905E+02	7.639E+02	5.207E+02	3.315E+02	1.752E+02	7.644E+03	2.734E+03	7.942E+04	1.853E+04	3.429E+05	1.967E+06	
30180.	.000E+00	6.817E+02	5.207E+02	3.098E+02	1.935E+02	9.947E+03	4.188E+03	1.432E+03	3.941E+04	8.824E+05	1.479E+06	6.825E+07	
36210.	.000E+00	4.103E+02	1.723E+02	1.047E+02	6.267E+03	3.036E+03	1.183E+03	6.881E+04	1.780E+04	3.619E+05	5.698E+06	2.782E+07	
44280.	.000E+00	2.312E+02	1.422E+02	8.16E+03	4.010E+03	1.895E+03	7.150E+04	2.134E+04	4.987E+05	1.716E+06	2.510E+06	1.260E+07	
52300.	.000E+00	1.422E+02	8.16E+03	4.010E+03	1.895E+03	7.150E+04	2.134E+04	4.987E+05	1.716E+06	2.510E+06	1.260E+07	6.348E+08	
60350.	.000E+00	9.363E+03	4.718E+03	2.619E+03	1.476E+03	6.571E+04	2.293E+04	8.679E+05	5.131E+06	6.638E+07	3.475E+08	2.033E+08	
68400.	.000E+00	6.535E+03	3.440E+03	1.984E+03	8.904E+04	3.181E+04	8.879E+05	1.914E+05	3.140E+06	3.856E+07	1.258E+08	1.000E+08	
76440.	.000E+00	4.804E+03	2.619E+03	1.476E+03	6.571E+04	2.293E+04	8.679E+05	5.131E+06	6.638E+07	3.475E+08	2.033E+08	1.000E+08	
84490.	.000E+00	2.935E+03	2.070E+03	1.153E+03	5.043E+04	1.721E+04	4.539E+05	9.140E+05	1.365E+06	1.551E+07	1.258E+08	1.000E+08	
92540.	.000E+00	2.195E+03	1.633E+03	8.406E+04	3.597E+04	1.192E+04	3.034E+05	5.649E+06	8.421E+07	8.691E+08	1.000E+08	1.000E+08	
104600.	.000E+00	1.507E+03	1.038E+03	5.583E+04	2.304E+04	7.823E+05	1.767E+05	3.198E+06	4.272E+07	4.133E+08	1.000E+08	1.000E+08	
124700.	.000E+00	1.074E+03	7.295E+04	3.812E+04	1.525E+04	4.630E+05	1.050E+05	1.768E+06	2.204E+07	1.946E+08	1.000E+08	1.000E+08	
148900.	.000E+00	6.370E+04	4.217E+04	2.112E+04	7.954E+05	2.234E+05	4.623E+06	6.955E+07	7.473E+08	.000E+00	.000E+00	.000E+00	
201200.	.000E+00	2.378E+04	2.176E+04	1.135E+04	3.990E+05	1.025E+05	1.898E+06	2.497E+07	2.291E+08	.000E+00	.000E+00	.000E+00	
281600.	.000E+00	1.812E+04	1.116E+04	4.950E+05	1.570E+05	3.527E+06	5.532E+07	5.960E+08	.000E+00	.000E+00	.000E+00	.000E+00	
442600.	.000E+00	8.672E+05	5.123E+05	2.120E+05	6.094E+06	1.204E+06	1.610E+07	1.431E+08	.000E+00	.000E+00	.000E+00	.000E+00	
684000.	.000E+00												

TABLE A.18.1. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)											
	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	1.599E-01F	1.327E-01E	1.083E-01E	8.883E-00D	6.843E-00D	5.298E-00D	4.029E-00C	3.009E-00C	2.207E-00C	1.589E-00B	1.123E-00B	
1207.	2.273E-00C	1.457E-00B	8.921E-01*	5.212E-01*	2.900E-01	1.534E-01	7.690E-02	3.847E-02	1.631E-02	6.864E-03	2.707E-03	
2012.	3.234E-01	1.587E-01	7.019E-02	2.892E-02	1.091E-02	3.746E-03	1.184E-03	3.250E-04	8.087E-05	1.778E-05	3.422E-06	
2818.	7.484E-02	2.930E-02	1.032E-02	3.250E-03	9.073E-04	2.226E-04	4.753E-05	8.733E-06	1.363E-06	1.780E-07	1.915E-08	
3621.	2.370E-02	7.849E-03	2.290E-03	5.830E-04	1.282E-04	2.408E-05	3.812E-06	5.006E-07	5.363E-08	.000E+00	.000E+00	
4428.	9.237E-03	2.672E-03	6.685E-04	1.431E-04	2.591E-05	3.908E-06	4.834E-07	4.828E-08	.000E+00	.000E+00	.000E+00	
5230.	4.176E-03	1.079E-03	2.374E-04	4.398E-05	6.760E-06	8.480E-07	8.575E-08	.000E+00	.000E+00	.000E+00	.000E+00	
6035.	2.101E-03	4.927E-04	9.723E-05	1.592E-05	2.131E-06	2.297E-07	1.939E-08	.000E+00	.000E+00	.000E+00	.000E+00	
6840.	1.146E-03	2.470E-04	4.430E-05	6.512E-06	7.749E-07	7.267E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
7644.	6.667E-04	1.335E-04	2.200E-05	2.951E-06	3.149E-07	2.611E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
8851.	3.261E-04	5.930E-05	8.768E-06	1.035E-06	9.572E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
10460.	1.428E-04	2.326E-05	3.031E-06	3.103E-07	2.438E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
12470.	5.927E-05	8.620E-06	9.883E-07	8.746E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
14890.	2.396E-05	3.106E-06	3.127E-07	2.388E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
18110.	8.644E-06	9.888E-07	8.632E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
22130.	3.086E-06	3.026E-07	2.282E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
26150.	1.216E-06	1.104E-07	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
30180.	5.474E-07	4.539E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
36210.	1.957E-07	1.447E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
44260.	6.092E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
52300.	2.238E-08	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
60350.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
68400.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
76440.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
84490.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
92540.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
104600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
124700.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
148900.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
201200.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
281600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
442600.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
684000.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	

DIST (METERS)		ANGLE FROM CENTERLINE (DEGREES)	
44.0	48.0		

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TABLE A.18.1.

[illegible]

TABLE A.18.2. Early Dose for Pasquill F, 1.5 m/sec, Release Term is SST3:
Cumulative Effective Dose Commitment Avoided

ANGLE FROM CENTERLINE (DEGREES)													
DIST (METERS)	0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0		
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00H	.000E+00F	
1207.	2.000E+01G	5.930E+01G	9.653E+01G	1.306E+02F	1.605E+02F	1.860E+02E	2.088E+02E	2.232E+02D	2.357E+02D	2.447E+02C	2.477E+02C	2.510E+02C	
2012.	4.508E+01E	1.331E+02E	2.152E+02E	2.881E+02	3.499E+02D	4.000E+02D	4.387E+02	4.673E+02C	4.876E+02B	5.014E+02B	5.103E+02*		
2816.	6.740E+01	1.985E+02D	3.192E+02D	4.244E+02D	5.113E+02	5.793E+02C	6.301E+02C	6.661E+02B	6.905E+02*	7.065E+02	7.165E+02		
3621.	8.672E+01D	2.607E+02	4.175E+02	5.519E+02	6.605E+02C	7.433E+02	8.033E+02B	8.445E+02*	8.716E+02	8.888E+02	8.993E+02		
4426.	1.078E+02	3.162E+02	5.048E+02	6.840E+02C	7.908E+02	8.652E+02B	9.520E+02*	9.969E+02	1.028E+03	1.044E+03	1.055E+03		
5230.	1.251E+02	3.684E+02	5.831E+02C	7.644E+02	9.063E+02B	1.011E+03	1.083E+03	1.130E+03	1.160E+03	1.179E+03	1.190E+03		
6035.	1.409E+02C	4.120E+02C	6.541E+02	8.548E+02	1.010E+03	1.122E+03*	1.199E+03	1.248E+03	1.279E+03	1.298E+03	1.309E+03		
6840.	1.553E+02	4.537E+02	7.187E+02	9.366E+02B	1.103E+03	1.222E+03	1.302E+03	1.354E+03	1.385E+03	1.404E+03	1.416E+03		
7644.	1.684E+02	4.917E+02	7.775E+02B	1.011E+03	1.188E+03*	1.313E+03	1.396E+03	1.448E+03	1.480E+03	1.500E+03	1.511E+03		
8651.	1.980E+02B	6.711E+02B	8.998E+02	1.165E+03*	1.361E+03	1.498E+03	1.586E+03	1.641E+03	1.674E+03	1.694E+03	1.705E+03		
10460.	2.197E+02	6.390E+02	1.004E+03*	1.295E+03	1.508E+03	1.653E+03	1.745E+03	1.802E+03	1.838E+03	1.855E+03	1.868E+03		
12470.	2.493E+02*	7.238E+02	1.134E+03	1.567E+03	1.888E+03	1.834E+03	1.986E+03	2.097E+03	2.168E+03	2.191E+03	2.210E+03		
14690.	2.738E+02	7.936E+02	1.240E+03	1.587E+03	1.834E+03	1.943E+03	1.940E+03	1.998E+03	2.032E+03	2.052E+03	2.063E+03		
18110.	2.738E+02	8.687E+02	1.370E+03	1.766E+03	2.025E+03	2.198E+03	2.303E+03	2.364E+03	2.399E+03	2.419E+03	2.430E+03		
22130.	2.738E+02	9.220E+02	1.469E+03	1.883E+03	2.168E+03	2.348E+03	2.456E+03	2.518E+03	2.553E+03	2.573E+03	2.584E+03		
26150.	2.738E+02	9.649E+02	1.545E+03	1.980E+03	2.277E+03	2.462E+03	2.572E+03	2.634E+03	2.670E+03	2.690E+03	2.701E+03		
30180.	2.738E+02	9.992E+02	1.605E+03	2.058E+03	2.363E+03	2.552E+03	2.683E+03	2.726E+03	2.761E+03	2.781E+03	2.793E+03		
36210.	2.738E+02	1.071E+03	1.731E+03	2.217E+03	2.540E+03	2.736E+03	2.850E+03	2.913E+03	2.949E+03	2.969E+03	2.980E+03		
44260.	2.738E+02	1.120E+03	1.818E+03	2.326E+03	2.660E+03	2.862E+03	2.976E+03	3.040E+03	3.076E+03	3.096E+03	3.107E+03		
52300.	2.738E+02	1.160E+03	1.886E+03	2.412E+03	2.754E+03	2.959E+03	3.075E+03	3.139E+03	3.175E+03	3.195E+03	3.206E+03		
60350.	2.738E+02	1.190E+03	1.939E+03	2.478E+03	2.826E+03	3.033E+03	3.150E+03	3.214E+03	3.250E+03	3.270E+03	3.281E+03		
68400.	2.738E+02	1.212E+03	1.976E+03	2.524E+03	2.876E+03	3.085E+03	3.202E+03	3.266E+03	3.302E+03	3.322E+03	3.333E+03		
76440.	2.738E+02	1.230E+03	2.006E+03	2.562E+03	2.918E+03	3.127E+03	3.245E+03	3.309E+03	3.345E+03	3.365E+03	3.376E+03		
84490.	2.738E+02	1.245E+03	2.032E+03	2.594E+03	2.952E+03	3.163E+03	3.281E+03	3.345E+03	3.381E+03	3.401E+03	3.412E+03		
92540.	2.738E+02	1.258E+03	2.055E+03	2.622E+03	2.983E+03	3.194E+03	3.312E+03	3.377E+03	3.412E+03	3.432E+03	3.444E+03		
104600.	2.738E+02	1.281E+03	2.093E+03	2.668E+03	3.033E+03	3.245E+03	3.364E+03	3.428E+03	3.464E+03	3.484E+03	3.495E+03		
124700.	2.738E+02	1.308E+03	2.140E+03	2.725E+03	3.094E+03	3.308E+03	3.426E+03	3.491E+03	3.527E+03	3.547E+03	3.558E+03		
146900.	2.738E+02	1.332E+03	2.179E+03	2.773E+03	3.145E+03	3.360E+03	3.479E+03	3.543E+03	3.579E+03	3.599E+03	3.610E+03		
201200.	2.738E+02	1.394E+03	2.283E+03	2.897E+03	3.277E+03	3.494E+03	3.614E+03	3.678E+03	3.714E+03	3.734E+03	3.746E+03		
261600.	2.738E+02	1.445E+03	2.368E+03	2.996E+03	3.382E+03	3.600E+03	3.720E+03	3.785E+03	3.820E+03	3.840E+03	3.852E+03		
442600.	2.738E+02	1.582E+03	2.558E+03	3.218E+03	3.614E+03	3.835E+03	3.955E+03	4.019E+03	4.055E+03	4.075E+03	4.087E+03		
684000.	2.738E+02	1.649E+03	2.694E+03	3.378E+03	3.779E+03	4.001E+03	4.121E+03	4.186E+03	4.222E+03	4.242E+03	4.253E+03		

TABLE A.18.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)												
DIST (METERS)	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	.000E+00F	.000E+00E	.000E+00E	.000E+00E	.000E+00D	.000E+00D	.000E+00C	.000E+00C	.000E+00C	.000E+00B	.000E+00B	
1207.	2.553E+02C	2.580E+02B	2.596E+02A	2.606E+02*	2.611E+02	2.614E+02	2.616E+02	2.616E+02	2.617E+02	2.617E+02	2.617E+02	
2012.	5.160E+02	5.193E+02	5.213E+02	5.224E+02	5.230E+02	5.233E+02	5.234E+02	5.235E+02	5.235E+02	5.235E+02	5.235E+02	
2816.	7.225E+02	7.261E+02	7.281E+02	7.292E+02	7.298E+02	7.301E+02	7.303E+02	7.303E+02	7.304E+02	7.304E+02	7.304E+02	
3621.	9.056E+02	9.092E+02	9.112E+02	9.124E+02	9.130E+02	9.133E+02	9.134E+02	9.135E+02	9.135E+02	9.135E+02	9.135E+02	
4426.	1.061E+03	1.064E+03	1.067E+03	1.068E+03	1.068E+03	1.069E+03	1.069E+03	1.069E+03	1.069E+03	1.069E+03	1.069E+03	
5230.	1.196E+03	1.200E+03	1.202E+03	1.203E+03	1.204E+03	1.204E+03	1.204E+03	1.204E+03	1.204E+03	1.204E+03	1.204E+03	
6035.	1.316E+03	1.319E+03	1.321E+03	1.322E+03	1.323E+03	1.323E+03	1.324E+03	1.324E+03	1.324E+03	1.324E+03	1.324E+03	
6840.	1.422E+03	1.426E+03	1.428E+03	1.429E+03	1.429E+03	1.430E+03	1.430E+03	1.430E+03	1.430E+03	1.430E+03	1.430E+03	
7644.	1.517E+03	1.521E+03	1.523E+03	1.524E+03	1.525E+03	1.525E+03	1.525E+03	1.525E+03	1.525E+03	1.525E+03	1.525E+03	
8651.	1.711E+03	1.715E+03	1.717E+03	1.718E+03	1.719E+03	1.719E+03	1.719E+03	1.719E+03	1.719E+03	1.719E+03	1.719E+03	
10460.	1.873E+03	1.876E+03	1.878E+03	1.879E+03	1.880E+03	1.881E+03	1.881E+03	1.881E+03	1.881E+03	1.881E+03	1.881E+03	
12470.	2.070E+03	2.073E+03	2.075E+03	2.077E+03	2.077E+03	2.077E+03	2.078E+03	2.078E+03	2.078E+03	2.078E+03	2.078E+03	
14890.	2.228E+03	2.232E+03	2.234E+03	2.235E+03	2.236E+03	2.236E+03	2.236E+03	2.236E+03	2.236E+03	2.236E+03	2.236E+03	
18110.	2.437E+03	2.440E+03	2.442E+03	2.443E+03	2.444E+03	2.444E+03	2.444E+03	2.445E+03	2.445E+03	2.445E+03	2.445E+03	
22130.	2.591E+03	2.594E+03	2.596E+03	2.598E+03	2.598E+03	2.598E+03	2.599E+03	2.599E+03	2.599E+03	2.599E+03	2.599E+03	
26150.	2.707E+03	2.711E+03	2.713E+03	2.714E+03	2.715E+03	2.715E+03	2.715E+03	2.715E+03	2.715E+03	2.715E+03	2.715E+03	
30180.	2.799E+03	2.803E+03	2.805E+03	2.806E+03	2.807E+03	2.807E+03	2.807E+03	2.807E+03	2.807E+03	2.807E+03	2.807E+03	
36210.	2.987E+03	2.990E+03	2.992E+03	2.994E+03	2.994E+03	2.994E+03	2.995E+03	2.995E+03	2.995E+03	2.995E+03	2.995E+03	
44260.	3.114E+03	3.118E+03	3.120E+03	3.121E+03	3.121E+03	3.122E+03	3.122E+03	3.122E+03	3.122E+03	3.122E+03	3.122E+03	
52300.	3.213E+03	3.216E+03	3.218E+03	3.219E+03	3.220E+03	3.220E+03	3.221E+03	3.221E+03	3.221E+03	3.221E+03	3.221E+03	
60350.	3.288E+03	3.291E+03	3.293E+03	3.294E+03	3.295E+03	3.295E+03	3.295E+03	3.295E+03	3.295E+03	3.295E+03	3.295E+03	
68400.	3.340E+03	3.344E+03	3.346E+03	3.347E+03	3.347E+03	3.348E+03	3.348E+03	3.348E+03	3.348E+03	3.348E+03	3.348E+03	
76440.	3.383E+03	3.387E+03	3.389E+03	3.390E+03	3.390E+03	3.391E+03	3.391E+03	3.391E+03	3.391E+03	3.391E+03	3.391E+03	
84490.	3.419E+03	3.423E+03	3.425E+03	3.426E+03	3.426E+03	3.427E+03	3.427E+03	3.427E+03	3.427E+03	3.427E+03	3.427E+03	
92540.	3.450E+03	3.454E+03	3.456E+03	3.457E+03	3.457E+03	3.458E+03	3.458E+03	3.458E+03	3.458E+03	3.458E+03	3.458E+03	
104600.	3.502E+03	3.506E+03	3.508E+03	3.509E+03	3.509E+03	3.510E+03	3.510E+03	3.510E+03	3.510E+03	3.510E+03	3.510E+03	
124700.	3.585E+03	3.588E+03	3.590E+03	3.591E+03	3.591E+03	3.592E+03	3.592E+03	3.592E+03	3.592E+03	3.592E+03	3.592E+03	
148900.	3.617E+03	3.621E+03	3.623E+03	3.624E+03	3.624E+03	3.625E+03	3.625E+03	3.625E+03	3.625E+03	3.625E+03	3.625E+03	
201200.	3.752E+03	3.756E+03	3.758E+03	3.759E+03	3.759E+03	3.760E+03	3.760E+03	3.760E+03	3.760E+03	3.760E+03	3.760E+03	
281600.	3.859E+03	3.862E+03	3.864E+03	3.865E+03	3.865E+03	3.866E+03	3.866E+03	3.866E+03	3.866E+03	3.866E+03	3.866E+03	
442600.	4.093E+03	4.097E+03	4.099E+03	4.100E+03	4.101E+03	4.101E+03	4.101E+03	4.101E+03	4.101E+03	4.101E+03	4.101E+03	
684000.	4.260E+03	4.264E+03	4.266E+03	4.267E+03	4.267E+03	4.268E+03	4.268E+03	4.268E+03	4.268E+03	4.268E+03	4.268E+03	

TABLE A.18.2. (Continued)

DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)									
	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0 64.0
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
604.	.000E+00*	.000E+00*	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
1207.	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02
2012.	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02
2616.	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02
3621.	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02
4426.	1.069E-03	1.069E-03	1.069E-03	1.069E-03	1.069E-03	1.069E-03	1.069E-03	1.069E-03	1.069E-03	1.069E-03
5230.	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03
6035.	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03
6840.	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03
7644.	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03
8851.	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03
10460.	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03
12470.	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03
14690.	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03
16110.	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03
22130.	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03
26150.	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03
30180.	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03
36210.	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03
44260.	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03
52300.	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03
60350.	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03
68400.	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03
76440.	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03
84490.	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03
92540.	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03
104600.	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03
124700.	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03
149900.	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03
201200.	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03
261600.	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03
442600.	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03
684000.	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03

TABLE A.18.2. (Continued)

ANGLE FROM CENTERLINE (DEGREES)												
DIST (METERS)	ANGLE FROM CENTERLINE (DEGREES)											
	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	
201.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
604.	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	
1207.	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	2.617E-02	
2012.	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	5.235E-02	
2816.	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	7.304E-02	
3621.	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	9.135E-02	
4428.	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	1.089E-03	
5230.	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	1.204E-03	
6035.	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	1.324E-03	
6840.	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	1.430E-03	
7644.	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	1.525E-03	
8451.	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	1.719E-03	
10460.	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	1.881E-03	
12470.	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	2.078E-03	
14690.	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	2.236E-03	
18110.	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	2.445E-03	
22130.	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	2.599E-03	
26150.	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	2.716E-03	
30180.	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	2.807E-03	
36210.	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	2.995E-03	
44260.	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	3.122E-03	
52300.	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	3.221E-03	
60350.	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	3.296E-03	
68400.	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	3.348E-03	
76440.	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	3.391E-03	
84490.	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	3.427E-03	
92540.	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	3.458E-03	
104600.	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	3.510E-03	
124700.	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	3.573E-03	
146900.	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	3.625E-03	
201200.	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	3.760E-03	
281600.	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	3.866E-03	
442600.	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	4.101E-03	
684000.	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	4.268E-03	

TABLE B.1. Evacuation Results, Pasquill A, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 5.6338E+05
 DOSE AVOIDED (REM) 2.1511E+07
 EVACUATION AREA (SQ M) 1.9391E+11
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6768E+01
 NUMBER OF PEOPLE EVACUATED 1.6833E+07
 COST OF THE EVACUATION (\$) 3.1140E+09
 COST PER REM AVOIDED (\$/REM) 1.4476E+02

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 3.2182E+05
 DOSE AVOIDED (REM) 1.6535E+07
 EVACUATION AREA (SQ M) 6.3289E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6629E+01
 NUMBER OF PEOPLE EVACUATED 5.4849E+06
 COST OF THE EVACUATION (\$) 1.0147E+09
 COST PER REM AVOIDED (\$/REM) 6.1387E+01

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 3.2182E+05
 DOSE AVOIDED (REM) 1.6535E+07
 EVACUATION AREA (SQ M) 6.3289E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6629E+01
 NUMBER OF PEOPLE EVACUATED 5.4849E+06
 COST OF THE EVACUATION (\$) 1.0147E+09
 COST PER REM AVOIDED (\$/REM) 6.1387E+01

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 1.6102E+05
 DOSE AVOIDED (REM) 9.9574E+06
 EVACUATION AREA (SQ M) 1.5882E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6004E+01
 NUMBER OF PEOPLE EVACUATED 1.3648E+06
 COST OF THE EVACUATION (\$) 2.5248E+08
 COST PER REM AVOIDED (\$/REM) 2.5356E+01

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 9.6583E+04
 DOSE AVOIDED (REM) 6.2070E+06
 EVACUATION AREA (SQ M) 5.7225E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 8.4533E+01
 NUMBER OF PEOPLE EVACUATED 4.8396E+05
 COST OF THE EVACUATION (\$) 8.9533E+07
 COST PER REM AVOIDED (\$/REM) 1.4425E+01

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 7.2397E+04
 DOSE AVOIDED (REM) 4.5923E+06
 EVACUATION AREA (SQ M) 3.2259E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 8.2845E+01
 NUMBER OF PEOPLE EVACUATED 2.6738E+05
 COST OF THE EVACUATION (\$) 4.9462E+07
 COST PER REM AVOIDED (\$/REM) 1.0771E+01

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 5.6297E+04
 DOSE AVOIDED (REM) 3.3933E+06
 EVACUATION AREA (SQ M) 1.9602E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 7.7927E+01
 NUMBER OF PEOPLE EVACUATED 1.5282E+05
 COST OF THE EVACUATION (\$) 2.8271E+07
 COST PER REM AVOIDED (\$/REM) 8.3314E+00

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 4.8303E+04
 DOSE AVOIDED (REM) 2.7471E+06
 EVACUATION AREA (SQ M) 1.4494E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 7.1934E+01
 NUMBER OF PEOPLE EVACUATED 1.0431E+05
 COST OF THE EVACUATION (\$) 1.9297E+07
 COST PER REM AVOIDED (\$/REM) 7.0245E+00

TABLE B.2. Evacuation Results, Pasquill A, 90 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05
DOSE AVOIDED (REM)	2.1895E+07
EVACUATION AREA (SQ M)	2.4931E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01
NUMBER OF PEOPLE EVACUATED	2.1642E+07
COST OF THE EVACUATION (\$)	4.0037E+09
COST PER REM AVOIDED (\$/REM)	1.8286E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04
DOSE AVOIDED (REM)	6.3921E+06
EVACUATION AREA (SQ M)	7.3488E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4591E+01
NUMBER OF PEOPLE EVACUATED	6.2192E+05
COST OF THE EVACUATION (\$)	1.1508E+08
COST PER REM AVOIDED (\$/REM)	1.8000E+01

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	1.6869E+07
EVACUATION AREA (SQ M)	8.1363E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6633E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06
COST OF THE EVACUATION (\$)	1.3046E+09
COST PER REM AVOIDED (\$/REM)	7.7337E+01

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04
DOSE AVOIDED (REM)	4.7428E+06
EVACUATION AREA (SQ M)	4.1388E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.2942E+01
NUMBER OF PEOPLE EVACUATED	3.4344E+05
COST OF THE EVACUATION (\$)	6.3536E+07
COST PER REM AVOIDED (\$/REM)	1.3396E+01

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	1.6869E+07
EVACUATION AREA (SQ M)	8.1363E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6633E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06
COST OF THE EVACUATION (\$)	1.3046E+09
COST PER REM AVOIDED (\$/REM)	7.7337E+01

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	3.5144E+06
EVACUATION AREA (SQ M)	2.5115E+09
AVERAGE POPULATION DENSITY (/SQ K)	7.8073E+01
NUMBER OF PEOPLE EVACUATED	1.9617E+05
COST OF THE EVACUATION (\$)	3.6291E+07
COST PER REM AVOIDED (\$/REM)	1.0326E+01

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05
DOSE AVOIDED (REM)	1.0208E+07
EVACUATION AREA (SQ M)	2.0385E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6027E+01
NUMBER OF PEOPLE EVACUATED	1.7544E+06
COST OF THE EVACUATION (\$)	3.2456E+08
COST PER REM AVOIDED (\$/REM)	3.1795E+01

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04
DOSE AVOIDED (REM)	2.8507E+06
EVACUATION AREA (SQ M)	1.8549E+09
AVERAGE POPULATION DENSITY (/SQ K)	7.2104E+01
NUMBER OF PEOPLE EVACUATED	1.3380E+05
COST OF THE EVACUATION (\$)	2.4753E+07
COST PER REM AVOIDED (\$/REM)	8.6831E+00

TABLE B.3. Evacuation Results, Pasquill A, 178 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	9.8583E+04
DOSE AVOIDED (REM)	2.1920E+07	DOSE AVOIDED (REM)	6.4110E+06
EVACUATION AREA (SQ M)	4.9305E+11	EVACUATION AREA (SQ M)	1.4505E+10
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6772E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.4691E+01
NUMBER OF PEOPLE EVACUATED	4.2801E+07	NUMBER OF PEOPLE EVACUATED	1.2290E+06
COST OF THE EVACUATION (\$)	7.9182E+09	COST OF THE EVACUATION (\$)	2.2736E+08
COST PER REM AVOIDED (\$/REM)	3.6123E+02	COST PER REM AVOIDED (\$/REM)	3.5464E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	7.2397E+04
DOSE AVOIDED (REM)	1.6890E+07	DOSE AVOIDED (REM)	4.7590E+06
EVACUATION AREA (SQ M)	1.6089E+11	EVACUATION AREA (SQ M)	8.1559E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6641E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.3116E+01
NUMBER OF PEOPLE EVACUATED	1.3948E+07	NUMBER OF PEOPLE EVACUATED	6.7818E+05
COST OF THE EVACUATION (\$)	2.5800E+09	COST OF THE EVACUATION (\$)	1.2548E+08
COST PER REM AVOIDED (\$/REM)	1.5275E+02	COST PER REM AVOIDED (\$/REM)	2.6363E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.6297E+04
DOSE AVOIDED (REM)	1.6890E+07	DOSE AVOIDED (REM)	3.5290E+06
EVACUATION AREA (SQ M)	1.6089E+11	EVACUATION AREA (SQ M)	4.9374E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6641E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	7.8328E+01
NUMBER OF PEOPLE EVACUATED	1.3948E+07	NUMBER OF PEOPLE EVACUATED	3.8691E+05
COST OF THE EVACUATION (\$)	2.5800E+09	COST OF THE EVACUATION (\$)	7.1579E+07
COST PER REM AVOIDED (\$/REM)	1.5275E+02	COST PER REM AVOIDED (\$/REM)	2.0283E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	4.8303E+04
DOSE AVOIDED (REM)	1.0230E+07	DOSE AVOIDED (REM)	2.8640E+06
EVACUATION AREA (SQ M)	4.0287E+10	EVACUATION AREA (SQ M)	3.6387E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6068E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	7.2401E+01
NUMBER OF PEOPLE EVACUATED	3.4688E+06	NUMBER OF PEOPLE EVACUATED	2.6356E+05
COST OF THE EVACUATION (\$)	6.4172E+08	COST OF THE EVACUATION (\$)	4.8758E+07
COST PER REM AVOIDED (\$/REM)	6.2729E+01	COST PER REM AVOIDED (\$/REM)	1.7024E+01

TABLE B.4. Evacuation Results, Pasquill A, 70 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4146E+03
DOSE AVOIDED (REM)	8.9697E+04	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	1.9802E+09	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	7.7927E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.5282E+05	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	2.8271E+07	COST OF THE EVACUATION (\$)	2.0184E+05
COST PER REM AVOIDED (\$/REM)	3.1518E+02	COST PER REM AVOIDED (\$/REM)	7.2585E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	4.0643E+04	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	6.5767E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	5.4919E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.6134E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	6.6849E+06	COST OF THE EVACUATION (\$)	2.0184E+05
COST PER REM AVOIDED (\$/REM)	1.6448E+02	COST PER REM AVOIDED (\$/REM)	7.2585E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6103E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	1.7348E+04	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	1.8257E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.4178E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	8.0689E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.4927E+06	COST OF THE EVACUATION (\$)	2.0184E+05
COST PER REM AVOIDED (\$/REM)	8.6045E+01	COST PER REM AVOIDED (\$/REM)	7.2585E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6326E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	8.0460E+02
DOSE AVOIDED (REM)	5.2184E+03	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	4.3544E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.7056E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.6142E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	2.9863E+05	COST OF THE EVACUATION (\$)	2.0184E+05
COST PER REM AVOIDED (\$/REM)	5.7226E+01	COST PER REM AVOIDED (\$/REM)	7.2585E+01

TABLE B.5. Evacuation Results, Pasquill A, 90 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4146E+03
DOSE AVOIDED (REM)	9.2917E+04	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	2.5116E+09	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	7.8073E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.9617E+05	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	3.6291E+07	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	3.9057E+02	COST PER REM AVOIDED (\$/REM)	7.2585E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	4.2411E+04	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	8.3688E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	5.5120E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	4.6147E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	8.5372E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	2.0130E+02	COST PER REM AVOIDED (\$/REM)	7.2585E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6103E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	1.8205E+04	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	2.2603E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.4502E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.0063E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.8616E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	1.0226E+02	COST PER REM AVOIDED (\$/REM)	7.2585E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6326E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	8.0480E+02
DOSE AVOIDED (REM)	5.4082E+03	DOSE AVOIDED (REM)	2.7780E+03
EVACUATION AREA (SQ M)	4.7274E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.7298E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.7640E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	3.2635E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	6.0344E+01	COST PER REM AVOIDED (\$/REM)	7.2585E+01

TABLE B.6. Evacuation Results, Pasquill A, 178 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 5.6297E+04
 DOSE AVOIDED (REM) 9.3300E+04
 EVACUATION AREA (SQ M) 4.9374E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 7.8328E+01
 NUMBER OF PEOPLE EVACUATED 3.8691E+05
 COST OF THE EVACUATION (\$) 7.1579E+07
 COST PER REM AVOIDED (\$/REM) 7.6719E+02

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 2.4148E+03
 DOSE AVOIDED (REM) 2.7785E+03
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 7.2572E+01

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 3.2203E+04
 DOSE AVOIDED (REM) 4.2670E+04
 EVACUATION AREA (SQ M) 1.6253E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 5.5475E+01
 NUMBER OF PEOPLE EVACUATED 9.0203E+04
 COST OF THE EVACUATION (\$) 1.6688E+07
 COST PER REM AVOIDED (\$/REM) 3.9109E+02

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6094E+03
 DOSE AVOIDED (REM) 2.7785E+03
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 7.2572E+01

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6103E+04
 DOSE AVOIDED (REM) 1.8380E+04
 EVACUATION AREA (SQ M) 4.1722E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.5127E+01
 NUMBER OF PEOPLE EVACUATED 1.8838E+04
 COST OF THE EVACUATION (\$) 3.4847E+06
 COST PER REM AVOIDED (\$/REM) 1.8980E+02

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6094E+03
 DOSE AVOIDED (REM) 2.7785E+03
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 7.2572E+01

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 5.6326E+03
 DOSE AVOIDED (REM) 5.4550E+03
 EVACUATION AREA (SQ M) 6.3689E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.8030E+01
 NUMBER OF PEOPLE EVACUATED 2.4231E+03
 COST OF THE EVACUATION (\$) 4.4828E+05
 COST PER REM AVOIDED (\$/REM) 8.2178E+01

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 8.0460E+02
 DOSE AVOIDED (REM) 2.7785E+03
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 7.2572E+01

TABLE B.7. Evacuation Results, Pasquill A, 70 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 1.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 2.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.8. Evacuation Results, Pasquill A, 90 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.9. Evacuation Results, Pasquill A, 178 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.10. Evacuation Results, Pasquill B, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.1262E+05
DOSE AVOIDED (REM)	2.0266E+07	DOSE AVOIDED (REM)	6.6158E+06
EVACUATION AREA (SQ M)	1.9391E+11	EVACUATION AREA (SQ M)	7.7715E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6768E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.5143E+01
NUMBER OF PEOPLE EVACUATED	1.6833E+07	NUMBER OF PEOPLE EVACUATED	6.6196E+05
COST OF THE EVACUATION (\$)	3.1140E+09	COST OF THE EVACUATION (\$)	1.2246E+08
COST PER REM AVOIDED (\$/REM)	1.5366E+02	COST PER REM AVOIDED (\$/REM)	1.8510E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	8.0483E+04
DOSE AVOIDED (REM)	2.0266E+07	DOSE AVOIDED (REM)	4.7734E+06
EVACUATION AREA (SQ M)	1.9391E+11	EVACUATION AREA (SQ M)	3.9811E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6768E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.3529E+01
NUMBER OF PEOPLE EVACUATED	1.6833E+07	NUMBER OF PEOPLE EVACUATED	3.3268E+05
COST OF THE EVACUATION (\$)	3.1140E+09	COST OF THE EVACUATION (\$)	6.1545E+07
COST PER REM AVOIDED (\$/REM)	1.5366E+02	COST PER REM AVOIDED (\$/REM)	1.2893E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	6.4403E+04
DOSE AVOIDED (REM)	1.5225E+07	DOSE AVOIDED (REM)	3.7895E+06
EVACUATION AREA (SQ M)	6.3289E+10	EVACUATION AREA (SQ M)	2.5579E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6629E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.1903E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06	NUMBER OF PEOPLE EVACUATED	2.0959E+05
COST OF THE EVACUATION (\$)	1.0147E+09	COST OF THE EVACUATION (\$)	3.8774E+07
COST PER REM AVOIDED (\$/REM)	6.6647E+01	COST PER REM AVOIDED (\$/REM)	1.0232E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	4.8303E+04
DOSE AVOIDED (REM)	9.0910E+06	DOSE AVOIDED (REM)	2.6559E+06
EVACUATION AREA (SQ M)	1.5862E+10	EVACUATION AREA (SQ M)	1.4494E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6004E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	7.1934E+01
NUMBER OF PEOPLE EVACUATED	1.3648E+06	NUMBER OF PEOPLE EVACUATED	1.0431E+05
COST OF THE EVACUATION (\$)	2.5248E+08	COST OF THE EVACUATION (\$)	1.9297E+07
COST PER REM AVOIDED (\$/REM)	2.7773E+01	COST PER REM AVOIDED (\$/REM)	7.2657E+00

TABLE B.11. Evacuation Results, Pasquill B, 90 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05
DOSE AVOIDED (REM)	2.0311E+07
EVACUATION AREA (SQ M)	2.4931E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01
NUMBER OF PEOPLE EVACUATED	2.1642E+07
COST OF THE EVACUATION (\$)	4.0037E+09
COST PER REM AVOIDED (\$/REM)	1.9712E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05
DOSE AVOIDED (REM)	6.6484E+06
EVACUATION AREA (SQ M)	9.9832E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5185E+01
NUMBER OF PEOPLE EVACUATED	8.5078E+05
COST OF THE EVACUATION (\$)	1.5739E+08
COST PER REM AVOIDED (\$/REM)	2.3673E+01

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05
DOSE AVOIDED (REM)	2.0311E+07
EVACUATION AREA (SQ M)	2.4931E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01
NUMBER OF PEOPLE EVACUATED	2.1642E+07
COST OF THE EVACUATION (\$)	4.0037E+09
COST PER REM AVOIDED (\$/REM)	1.9712E+02

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0483E+04
DOSE AVOIDED (REM)	4.8019E+06
EVACUATION AREA (SQ M)	5.1098E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.3610E+01
NUMBER OF PEOPLE EVACUATED	4.2742E+05
COST OF THE EVACUATION (\$)	7.9072E+07
COST PER REM AVOIDED (\$/REM)	1.6467E+01

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	1.5267E+07
EVACUATION AREA (SQ M)	8.1363E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6633E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06
COST OF THE EVACUATION (\$)	1.3046E+09
COST PER REM AVOIDED (\$/REM)	8.5452E+01

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	3.8151E+06
EVACUATION AREA (SQ M)	3.2800E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.2027E+01
NUMBER OF PEOPLE EVACUATED	2.6916E+05
COST OF THE EVACUATION (\$)	4.9795E+07
COST PER REM AVOIDED (\$/REM)	1.3052E+01

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05
DOSE AVOIDED (REM)	9.1276E+06
EVACUATION AREA (SQ M)	2.0385E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6027E+01
NUMBER OF PEOPLE EVACUATED	1.7544E+06
COST OF THE EVACUATION (\$)	3.2456E+08
COST PER REM AVOIDED (\$/REM)	3.5558E+01

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04
DOSE AVOIDED (REM)	2.6773E+06
EVACUATION AREA (SQ M)	1.8549E+09
AVERAGE POPULATION DENSITY (/SQ K)	7.2104E+01
NUMBER OF PEOPLE EVACUATED	1.3380E+05
COST OF THE EVACUATION (\$)	2.4753E+07
COST PER REM AVOIDED (\$/REM)	9.2455E+00

TABLE B.12. Evacuation Results, Pasquill B, 178 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.1282E+05
DOSE AVOIDED (REM)	2.0310E+07	DOSE AVOIDED (REM)	6.8490E+06
EVACUATION AREA (SQ M)	4.9305E+11	EVACUATION AREA (SQ M)	1.9715E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6772E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.5259E+01
NUMBER OF PEOPLE EVACUATED	4.2801E+07	NUMBER OF PEOPLE EVACUATED	1.6818E+06
COST OF THE EVACUATION (\$)	7.9182E+09	COST OF THE EVACUATION (\$)	3.1109E+08
COST PER REM AVOIDED (\$/REM)	3.8987E+02	COST PER REM AVOIDED (\$/REM)	4.6787E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	8.0483E+04
DOSE AVOIDED (REM)	2.0310E+07	DOSE AVOIDED (REM)	4.8030E+06
EVACUATION AREA (SQ M)	4.9305E+11	EVACUATION AREA (SQ M)	1.0078E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6772E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.3753E+01
NUMBER OF PEOPLE EVACUATED	4.2801E+07	NUMBER OF PEOPLE EVACUATED	8.4427E+05
COST OF THE EVACUATION (\$)	7.9182E+09	COST OF THE EVACUATION (\$)	1.5619E+08
COST PER REM AVOIDED (\$/REM)	3.8987E+02	COST PER REM AVOIDED (\$/REM)	3.2519E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.5270E+07	DOSE AVOIDED (REM)	3.8180E+06
EVACUATION AREA (SQ M)	1.6089E+11	EVACUATION AREA (SQ M)	6.4574E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6641E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2239E+01
NUMBER OF PEOPLE EVACUATED	1.3946E+07	NUMBER OF PEOPLE EVACUATED	5.3128E+05
COST OF THE EVACUATION (\$)	2.5800E+09	COST OF THE EVACUATION (\$)	9.8286E+07
COST PER REM AVOIDED (\$/REM)	1.6896E+02	COST PER REM AVOIDED (\$/REM)	2.5756E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04
DOSE AVOIDED (REM)	9.1290E+06	DOSE AVOIDED (REM)	2.6780E+06
EVACUATION AREA (SQ M)	4.0287E+10	EVACUATION AREA (SQ M)	3.6387E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6066E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.2401E+01
NUMBER OF PEOPLE EVACUATED	3.4688E+06	NUMBER OF PEOPLE EVACUATED	2.6356E+05
COST OF THE EVACUATION (\$)	6.4172E+08	COST OF THE EVACUATION (\$)	4.8758E+07
COST PER REM AVOIDED (\$/REM)	7.0295E+01	COST PER REM AVOIDED (\$/REM)	1.8207E+01

TABLE B.13. Evacuation Results, Pasquill B, 70 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	6.4403E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	4.0246E+03
DOSE AVOIDED (REM)	1.0060E+05	DOSE AVOIDED (REM)	8.6057E+03
EVACUATION AREA (SQ M)	2.5579E+09	EVACUATION AREA (SQ M)	3.4058E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	8.1903E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.6197E+01
NUMBER OF PEOPLE EVACUATED	2.0959E+05	NUMBER OF PEOPLE EVACUATED	1.2333E+03
COST OF THE EVACUATION (\$)	3.8774E+07	COST OF THE EVACUATION (\$)	2.2817E+05
COST PER REM AVOIDED (\$/REM)	3.8543E+02	COST PER REM AVOIDED (\$/REM)	2.6514E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2203E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2174E+03
DOSE AVOIDED (REM)	4.2367E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	6.5767E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	5.4919E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.6134E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	6.6849E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	1.5779E+02	COST PER REM AVOIDED (\$/REM)	2.7619E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6103E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2174E+03
DOSE AVOIDED (REM)	2.1708E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	1.8257E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	4.4178E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01
NUMBER OF PEOPLE EVACUATED	8.0689E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.4927E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	6.8763E+01	COST PER REM AVOIDED (\$/REM)	2.7619E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	6.4374E+03	EVACUATION ZONE: TOTAL DISTANCE (M) ..	2.4146E+03
DOSE AVOIDED (REM)	1.1541E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	4.9478E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	3.7426E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.8525E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	3.4271E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	2.9695E+01	COST PER REM AVOIDED (\$/REM)	2.7619E+01

TABLE B.14. Evacuation Results, Pasquill B, 90 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	4.0248E+03
DOSE AVOIDED (REM)	1.0128E+05	DOSE AVOIDED (REM)	8.6563E+03
EVACUATION AREA (SQ M)	3.2800E+09	EVACUATION AREA (SQ M)	3.5078E+07
AVERAGE POPULATION DENSITY (/SQ K)	8.2027E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.6312E+01
NUMBER OF PEOPLE EVACUATED	2.6916E+05	NUMBER OF PEOPLE EVACUATED	1.2743E+03
COST OF THE EVACUATION (\$)	4.9795E+07	COST OF THE EVACUATION (\$)	2.3574E+05
COST PER REM AVOIDED (\$/REM)	4.9166E+02	COST PER REM AVOIDED (\$/REM)	2.7238E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	3.2174E+03
DOSE AVOIDED (REM)	4.2802E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	8.3688E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	5.5120E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	4.6147E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	8.5372E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	1.9948E+02	COST PER REM AVOIDED (\$/REM)	2.7619E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6103E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	3.2174E+03
DOSE AVOIDED (REM)	2.1988E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	2.2603E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.4502E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.0063E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.8616E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	8.4672E+01	COST PER REM AVOIDED (\$/REM)	2.7619E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4374E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4146E+03
DOSE AVOIDED (REM)	1.1673E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	5.4904E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.7693E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	2.0704E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	3.8302E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	3.2812E+01	COST PER REM AVOIDED (\$/REM)	2.7619E+01

TABLE B.15. Evacuation Results, Pasquill B, 178 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	6.4403E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	4.0248E+03
DOSE AVOIDED (REM)	1.0130E+05	DOSE AVOIDED (REM)	8.6610E+03
EVACUATION AREA (SQ M)	6.4574E+09	EVACUATION AREA (SQ M)	3.9567E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	8.2239E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.6748E+01
NUMBER OF PEOPLE EVACUATED	5.3128E+05	NUMBER OF PEOPLE EVACUATED	1.4546E+03
COST OF THE EVACUATION (\$)	9.8286E+07	COST OF THE EVACUATION (\$)	2.6909E+05
COST PER REM AVOIDED (\$/REM)	9.7025E+02	COST PER REM AVOIDED (\$/REM)	3.1069E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2203E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2174E+03
DOSE AVOIDED (REM)	4.2830E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	1.6253E+09	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	5.5476E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01
NUMBER OF PEOPLE EVACUATED	9.0203E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.6688E+07	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	3.8963E+02	COST PER REM AVOIDED (\$/REM)	2.7619E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6103E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2174E+03
DOSE AVOIDED (REM)	2.2010E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	4.1722E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	4.5127E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.8836E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	3.4847E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	1.5832E+02	COST PER REM AVOIDED (\$/REM)	2.7619E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	6.4374E+03	EVACUATION ZONE: TOTAL DISTANCE (M) ..	2.4146E+03
DOSE AVOIDED (REM)	1.690E+04	DOSE AVOIDED (REM)	7.3008E+03
EVACUATION AREA (SQ M)	7.8778E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K) ..	3.8434E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.0290E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	5.6037E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	4.7936E+01	COST PER REM AVOIDED (\$/REM)	2.7619E+01

TABLE B.16. Evacuation Results, Pasquill B, 70 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 70.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.8094E+03
 DOSE AVOIDED (REM) 8.4290E-01
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5736E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0184E+05
 COST PER REM AVOIDED (\$/REM) 3.1384E+03

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.17. Evacuation Results, Pasquill B, 90 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6094E+03
 DOSE AVOIDED (REM) 6.4290E+01
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+06
 COST PER REM AVOIDED (\$/REM) 3.1364E+03

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.18. Evacuation Results, Pasquill B, 178 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.8094E+03
 DOSE AVOIDED (REM) 6.4288E+01
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0184E+05
 COST PER REM AVOIDED (\$/REM) 3.1365E+03

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.19. Evacuation Results, Pasquill C, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0482E+05
DOSE AVOIDED (REM)	2.1622E+07
EVACUATION AREA (SQ M)	3.9550E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6803E+01
NUMBER OF PEOPLE EVACUATED	3.4345E+07
COST OF THE EVACUATION (\$)	6.3539E+09
COST PER REM AVOIDED (\$/REM)	2.9386E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3878E+05
DOSE AVOIDED (REM)	7.3879E+06
EVACUATION AREA (SQ M)	1.1453E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.5687E+01
NUMBER OF PEOPLE EVACUATED	9.8181E+05
COST OF THE EVACUATION (\$)	1.8163E+08
COST PER REM AVOIDED (\$/REM)	2.4585E+01

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05
DOSE AVOIDED (REM)	1.8982E+07
EVACUATION AREA (SQ M)	1.9391E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01
NUMBER OF PEOPLE EVACUATED	1.6833E+07
COST OF THE EVACUATION (\$)	3.1140E+09
COST PER REM AVOIDED (\$/REM)	1.6422E+02

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.8497E+04
DOSE AVOIDED (REM)	5.0830E+06
EVACUATION AREA (SQ M)	4.8082E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4098E+01
NUMBER OF PEOPLE EVACUATED	4.0453E+05
COST OF THE EVACUATION (\$)	7.4839E+07
COST PER REM AVOIDED (\$/REM)	1.4782E+01

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	1.4043E+07
EVACUATION AREA (SQ M)	6.3289E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6829E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06
COST OF THE EVACUATION (\$)	1.0147E+09
COST PER REM AVOIDED (\$/REM)	7.2257E+01

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04
DOSE AVOIDED (REM)	4.2227E+06
EVACUATION AREA (SQ M)	3.2259E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.2845E+01
NUMBER OF PEOPLE EVACUATED	2.6736E+05
COST OF THE EVACUATION (\$)	4.9462E+07
COST PER REM AVOIDED (\$/REM)	1.1713E+01

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4138E+05
DOSE AVOIDED (REM)	1.1523E+07
EVACUATION AREA (SQ M)	3.5817E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6467E+01
NUMBER OF PEOPLE EVACUATED	3.0810E+06
COST OF THE EVACUATION (\$)	5.6998E+08
COST PER REM AVOIDED (\$/REM)	4.9466E+01

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.8297E+04
DOSE AVOIDED (REM)	3.3043E+06
EVACUATION AREA (SQ M)	1.9602E+09
AVERAGE POPULATION DENSITY (/SQ K)	7.7927E+01
NUMBER OF PEOPLE EVACUATED	1.5282E+05
COST OF THE EVACUATION (\$)	2.8271E+07
COST PER REM AVOIDED (\$/REM)	8.5558E+00

TABLE B.20. Evacuation Results, Pasquill C, 90 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0482E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+05
DOSE AVOIDED (REM)	2.1628E+07	DOSE AVOIDED (REM)	7.3915E+06
EVACUATION AREA (SQ M)	5.0850E+11	EVACUATION AREA (SQ M)	1.4717E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6803E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.5714E+01
NUMBER OF PEOPLE EVACUATED	4.4158E+07	NUMBER OF PEOPLE EVACUATED	1.2620E+08
COST OF THE EVACUATION (\$)	8.1692E+09	COST OF THE EVACUATION (\$)	2.3347E+08
COST PER REM AVOIDED (\$/REM)	3.7775E+02	COST PER REM AVOIDED (\$/REM)	3.1588E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	8.8497E+04
DOSE AVOIDED (REM)	1.8968E+07	DOSE AVOIDED (REM)	5.0865E+06
EVACUATION AREA (SQ M)	2.4931E+11	EVACUATION AREA (SQ M)	6.1733E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.4168E+01
NUMBER OF PEOPLE EVACUATED	2.1642E+07	NUMBER OF PEOPLE EVACUATED	5.1980E+05
COST OF THE EVACUATION (\$)	4.0037E+09	COST OF THE EVACUATION (\$)	9.6164E+07
COST PER REM AVOIDED (\$/REM)	2.1110E+02	COST PER REM AVOIDED (\$/REM)	1.8980E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04
DOSE AVOIDED (REM)	1.4048E+07	DOSE AVOIDED (REM)	4.2261E+06
EVACUATION AREA (SQ M)	8.1363E+10	EVACUATION AREA (SQ M)	4.1388E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6633E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2942E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06	NUMBER OF PEOPLE EVACUATED	3.4344E+05
COST OF THE EVACUATION (\$)	1.3048E+09	COST OF THE EVACUATION (\$)	6.3536E+07
COST PER REM AVOIDED (\$/REM)	9.2881E+01	COST PER REM AVOIDED (\$/REM)	1.5034E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4138E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.1528E+07	DOSE AVOIDED (REM)	3.3075E+06
EVACUATION AREA (SQ M)	4.5784E+10	EVACUATION AREA (SQ M)	2.5115E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6475E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.8073E+01
NUMBER OF PEOPLE EVACUATED	3.9609E+06	NUMBER OF PEOPLE EVACUATED	1.9617E+05
COST OF THE EVACUATION (\$)	7.3277E+08	COST OF THE EVACUATION (\$)	3.6291E+07
COST PER REM AVOIDED (\$/REM)	6.3575E+01	COST PER REM AVOIDED (\$/REM)	1.0972E+01

TABLE B.21. Evacuation Results, Pasquill C, 178 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0482E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+06
DOSE AVOIDED (REM)	2.1630E+07	DOSE AVOIDED (REM)	7.3920E+06
EVACUATION AREA (SQ M)	1.0057E+12	EVACUATION AREA (SQ M)	2.9077E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6803E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.5788E+01
NUMBER OF PEOPLE EVACUATED	8.7334E+07	NUMBER OF PEOPLE EVACUATED	2.4949E+06
COST OF THE EVACUATION (\$)	1.6157E+10	COST OF THE EVACUATION (\$)	4.6156E+08
COST PER REM AVOIDED (\$/REM)	7.4697E+02	COST PER REM AVOIDED (\$/REM)	6.2440E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	8.8497E+04
DOSE AVOIDED (REM)	1.8970E+07	DOSE AVOIDED (REM)	5.0670E+06
EVACUATION AREA (SQ M)	4.9305E+11	EVACUATION AREA (SQ M)	1.2180E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6772E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.4286E+01
NUMBER OF PEOPLE EVACUATED	4.2801E+07	NUMBER OF PEOPLE EVACUATED	1.0270E+06
COST OF THE EVACUATION (\$)	7.9182E+09	COST OF THE EVACUATION (\$)	1.8999E+08
COST PER REM AVOIDED (\$/REM)	4.1741E+02	COST PER REM AVOIDED (\$/REM)	3.7496E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04
DOSE AVOIDED (REM)	1.4050E+07	DOSE AVOIDED (REM)	4.2260E+06
EVACUATION AREA (SQ M)	1.6089E+11	EVACUATION AREA (SQ M)	8.1559E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6641E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.3118E+01
NUMBER OF PEOPLE EVACUATED	1.3948E+07	NUMBER OF PEOPLE EVACUATED	6.7818E+05
COST OF THE EVACUATION (\$)	2.5800E+09	COST OF THE EVACUATION (\$)	1.2546E+08
COST PER REM AVOIDED (\$/REM)	1.8363E+02	COST PER REM AVOIDED (\$/REM)	2.9688E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4138E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.1530E+07	DOSE AVOIDED (REM)	3.3080E+06
EVACUATION AREA (SQ M)	9.0521E+10	EVACUATION AREA (SQ M)	4.9374E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6490E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.8328E+01
NUMBER OF PEOPLE EVACUATED	7.8328E+06	NUMBER OF PEOPLE EVACUATED	3.8691E+05
COST OF THE EVACUATION (\$)	1.4491E+09	COST OF THE EVACUATION (\$)	7.1579E+07
COST PER REM AVOIDED (\$/REM)	1.2568E+02	COST PER REM AVOIDED (\$/REM)	2.1638E+01

TABLE B.22. Evacuation Results, Pasquill C, 70 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	7.2428E+03
DOSE AVOIDED (REM)	1.1262E+05	DOSE AVOIDED (REM)	2.0969E+04
EVACUATION AREA (SQ M)	3.2259E+09	EVACUATION AREA (SQ M)	5.6208E+07
AVERAGE POPULATION DENSITY (/SQ K)	8.2845E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.7750E+01
NUMBER OF PEOPLE EVACUATED	2.6738E+06	NUMBER OF PEOPLE EVACUATED	2.1227E+03
COST OF THE EVACUATION (\$)	4.9462E+07	COST OF THE EVACUATION (\$)	3.9270E+05
COST PER REM AVOIDED (\$/REM)	4.3919E+02	COST PER REM AVOIDED (\$/REM)	1.8728E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0217E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6328E+03
DOSE AVOIDED (REM)	6.3128E+04	DOSE AVOIDED (REM)	1.8009E+04
EVACUATION AREA (SQ M)	1.0122E+09	EVACUATION AREA (SQ M)	4.3544E+07
AVERAGE POPULATION DENSITY (/SQ K)	6.5828E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.7058E+01
NUMBER OF PEOPLE EVACUATED	6.6657E+04	NUMBER OF PEOPLE EVACUATED	1.6142E+03
COST OF THE EVACUATION (\$)	1.2331E+07	COST OF THE EVACUATION (\$)	2.9863E+05
COST PER REM AVOIDED (\$/REM)	1.9533E+02	COST PER REM AVOIDED (\$/REM)	1.8582E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	4.8274E+03
DOSE AVOIDED (REM)	3.7301E+04	DOSE AVOIDED (REM)	1.6222E+04
EVACUATION AREA (SQ M)	2.7137E+08	EVACUATION AREA (SQ M)	3.8399E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.9042E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.6642E+01
NUMBER OF PEOPLE EVACUATED	1.3314E+04	NUMBER OF PEOPLE EVACUATED	1.4076E+03
COST OF THE EVACUATION (\$)	2.4631E+06	COST OF THE EVACUATION (\$)	2.6041E+05
COST PER REM AVOIDED (\$/REM)	6.6033E+01	COST PER REM AVOIDED (\$/REM)	1.8053E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1263E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	4.0248E+03
DOSE AVOIDED (REM)	2.7118E+04	DOSE AVOIDED (REM)	1.4149E+04
EVACUATION AREA (SQ M)	1.0166E+08	EVACUATION AREA (SQ M)	3.4058E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.1558E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.6197E+01
NUMBER OF PEOPLE EVACUATED	4.2263E+03	NUMBER OF PEOPLE EVACUATED	1.2333E+03
COST OF THE EVACUATION (\$)	7.8187E+05	COST OF THE EVACUATION (\$)	2.2817E+05
COST PER REM AVOIDED (\$/REM)	2.8834E+01	COST PER REM AVOIDED (\$/REM)	1.8128E+01

TABLE B.23 Evacuation Results, Pasquill C, 90 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04
DOSE AVOIDED (REM)	1.1272E+05
EVACUATION AREA (SQ M)	4.1388E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.2942E+01
NUMBER OF PEOPLE EVACUATED	3.4344E+05
COST OF THE EVACUATION (\$)	6.3538E+07
COST PER REM AVOIDED (\$/REM)	5.6388E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2428E+03
DOSE AVOIDED (REM)	2.1019E+04
EVACUATION AREA (SQ M)	6.3555E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.8026E+01
NUMBER OF PEOPLE EVACUATED	2.4178E+03
COST OF THE EVACUATION (\$)	4.4729E+05
COST PER REM AVOIDED (\$/REM)	2.1280E+01

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0217E+04
DOSE AVOIDED (REM)	6.3212E+04
EVACUATION AREA (SQ M)	1.2928E+09
AVERAGE POPULATION DENSITY (/SQ K)	6.8031E+01
NUMBER OF PEOPLE EVACUATED	8.6390E+04
COST OF THE EVACUATION (\$)	1.5797E+07
COST PER REM AVOIDED (\$/REM)	2.4991E+02

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6328E+03
DOSE AVOIDED (REM)	1.8048E+04
EVACUATION AREA (SQ M)	4.7274E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.7298E+01
NUMBER OF PEOPLE EVACUATED	1.7840E+03
COST OF THE EVACUATION (\$)	3.2835E+05
COST PER REM AVOIDED (\$/REM)	1.8082E+01

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	3.7375E+04
EVACUATION AREA (SQ M)	3.4019E+08
AVERAGE POPULATION DENSITY (/SQ K)	4.9382E+01
NUMBER OF PEOPLE EVACUATED	1.6807E+04
COST OF THE EVACUATION (\$)	3.1093E+06
COST PER REM AVOIDED (\$/REM)	8.3192E+01

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8274E+03
DOSE AVOIDED (REM)	1.6254E+04
EVACUATION AREA (SQ M)	4.0859E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.6837E+01
NUMBER OF PEOPLE EVACUATED	1.4984E+03
COST OF THE EVACUATION (\$)	2.7721E+05
COST PER REM AVOIDED (\$/REM)	1.7055E+01

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1283E+04
DOSE AVOIDED (REM)	2.7180E+04
EVACUATION AREA (SQ M)	1.2200E+08
AVERAGE POPULATION DENSITY (/SQ K)	4.1989E+01
NUMBER OF PEOPLE EVACUATED	5.1224E+03
COST OF THE EVACUATION (\$)	9.4785E+05
COST PER REM AVOIDED (\$/REM)	3.4888E+01

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0248E+03
DOSE AVOIDED (REM)	1.4168E+04
EVACUATION AREA (SQ M)	3.5078E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.6312E+01
NUMBER OF PEOPLE EVACUATED	1.2743E+03
COST OF THE EVACUATION (\$)	2.3574E+05
COST PER REM AVOIDED (\$/REM)	1.6639E+01

TABLE B.24. Evacuation Results, Pasquill C, 178 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	7.2426E+03
DOSE AVOIDED (REM)	1.1270E+05	DOSE AVOIDED (REM)	2.1020E+04
EVACUATION AREA (SQ M)	8.1659E+09	EVACUATION AREA (SQ M)	9.5888E+07
AVERAGE POPULATION DENSITY (/SQ K)	8.3116E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.8737E+01
NUMBER OF PEOPLE EVACUATED	6.7818E+05	NUMBER OF PEOPLE EVACUATED	3.7161E+03
COST OF THE EVACUATION (\$)	1.2548E+08	COST OF THE EVACUATION (\$)	6.8748E+05
COST PER REM AVOIDED (\$/REM)	1.1132E+03	COST PER REM AVOIDED (\$/REM)	3.2708E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0217E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6326E+03
DOSE AVOIDED (REM)	6.3210E+04	DOSE AVOIDED (REM)	1.8050E+04
EVACUATION AREA (SQ M)	2.5267E+09	EVACUATION AREA (SQ M)	6.3689E+07
AVERAGE POPULATION DENSITY (/SQ K)	6.6386E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.8030E+01
NUMBER OF PEOPLE EVACUATED	1.6782E+05	NUMBER OF PEOPLE EVACUATED	2.4231E+03
COST OF THE EVACUATION (\$)	3.1046E+07	COST OF THE EVACUATION (\$)	4.4828E+05
COST PER REM AVOIDED (\$/REM)	4.9116E+02	COST PER REM AVOIDED (\$/REM)	2.4835E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	4.8274E+03
DOSE AVOIDED (REM)	3.7380E+04	DOSE AVOIDED (REM)	1.6250E+04
EVACUATION AREA (SQ M)	6.4301E+08	EVACUATION AREA (SQ M)	5.0808E+07
AVERAGE POPULATION DENSITY (/SQ K)	5.0016E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.7485E+01
NUMBER OF PEOPLE EVACUATED	3.2175E+04	NUMBER OF PEOPLE EVACUATED	1.8978E+03
COST OF THE EVACUATION (\$)	5.9523E+06	COST OF THE EVACUATION (\$)	3.5109E+05
COST PER REM AVOIDED (\$/REM)	1.5924E+02	COST PER REM AVOIDED (\$/REM)	2.1808E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1263E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	4.0246E+03
DOSE AVOIDED (REM)	2.7180E+04	DOSE AVOIDED (REM)	1.4180E+04
EVACUATION AREA (SQ M)	2.1147E+08	EVACUATION AREA (SQ M)	3.9567E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.2849E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.6746E+01
NUMBER OF PEOPLE EVACUATED	9.0653E+03	NUMBER OF PEOPLE EVACUATED	1.4548E+03
COST OF THE EVACUATION (\$)	1.6771E+06	COST OF THE EVACUATION (\$)	2.6909E+05
COST PER REM AVOIDED (\$/REM)	6.1703E+01	COST PER REM AVOIDED (\$/REM)	1.8977E+01

TABLE B.25. Evacuation Results, Pasquill C, 70 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00		
EVACUATION ZONE: CIRCLE RADIUS (M) .	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4148E+03		
DOSE AVOIDED (REM)	1.0220E+02		
EVACUATION AREA (SQ M)	3.0487E+07	PAG DOSE VALUE (REM)	10.00
AVERAGE POPULATION DENSITY (/SQ K) .	3.5735E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0164E+05	NO CONTAMINATION OFFSITE	
COST PER REM AVOIDED (\$/REM)	1.9730E+03		
PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00		
EVACUATION ZONE: CIRCLE RADIUS (M) .	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03		
DOSE AVOIDED (REM)	1.0220E+02		
EVACUATION AREA (SQ M)	3.0487E+07	PAG DOSE VALUE (REM)	20.00
AVERAGE POPULATION DENSITY (/SQ K) .	3.5735E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0164E+05	NO CONTAMINATION OFFSITE	
COST PER REM AVOIDED (\$/REM)	1.9730E+03		
PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
		NO CONTAMINATION OFFSITE	
NO CONTAMINATION OFFSITE			

TABLE B.26. Evacuation Results, Pasquill C, 90 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4148E+03		
DOSE AVOIDED (REM)	1.0220E+02		
EVACUATION AREA (SQ M)	3.0487E+07	PAG DOSE VALUE (REM)	10.00
AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0184E+05	NO CONTAMINATION OFFSITE	
COST PER REM AVOIDED (\$/REM)	1.9730E+03		
PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03		
DOSE AVOIDED (REM)	1.0220E+02		
EVACUATION AREA (SQ M)	3.0487E+07	PAG DOSE VALUE (REM)	20.00
AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0184E+05	NO CONTAMINATION OFFSITE	
COST PER REM AVOIDED (\$/REM)	1.9730E+03		
PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
		NO CONTAMINATION OFFSITE	
NO CONTAMINATION OFFSITE			

TABLE B.27. Evacuation Results, Pasquill C, 178 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 2.4146E+03
 DOSE AVOIDED (REM) 1.0215E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 1.9740E+03

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.8094E+03
 DOSE AVOIDED (REM) 1.0215E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 1.9740E+03

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.28. Evacuation Results, Pasquill D, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05
DOSE AVOIDED (REM)	1.9891E+07
EVACUATION AREA (SQ M)	1.9391E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01
NUMBER OF PEOPLE EVACUATED	1.6833E+07
COST OF THE EVACUATION (\$)	3.1140E+09
COST PER REM AVOIDED (\$/REM)	1.5655E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+05
DOSE AVOIDED (REM)	1.2438E+07
EVACUATION AREA (SQ M)	1.1453E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.5687E+01
NUMBER OF PEOPLE EVACUATED	9.8181E+05
COST OF THE EVACUATION (\$)	1.8163E+08
COST PER REM AVOIDED (\$/REM)	1.4803E+01

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6338E+05
DOSE AVOIDED (REM)	1.9891E+07
EVACUATION AREA (SQ M)	1.9391E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6768E+01
NUMBER OF PEOPLE EVACUATED	1.6833E+07
COST OF THE EVACUATION (\$)	3.1140E+09
COST PER REM AVOIDED (\$/REM)	1.5655E+02

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05
DOSE AVOIDED (REM)	1.1453E+07
EVACUATION AREA (SQ M)	7.7715E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5143E+01
NUMBER OF PEOPLE EVACUATED	6.6196E+05
COST OF THE EVACUATION (\$)	1.2246E+08
COST PER REM AVOIDED (\$/REM)	1.0692E+01

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	1.6794E+07
EVACUATION AREA (SQ M)	6.3289E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6629E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06
COST OF THE EVACUATION (\$)	1.0147E+09
COST PER REM AVOIDED (\$/REM)	6.0420E+01

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04
DOSE AVOIDED (REM)	1.0652E+07
EVACUATION AREA (SQ M)	5.7225E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4533E+01
NUMBER OF PEOPLE EVACUATED	4.8396E+05
COST OF THE EVACUATION (\$)	8.9533E+07
COST PER REM AVOIDED (\$/REM)	8.4053E+00

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05
DOSE AVOIDED (REM)	1.3235E+07
EVACUATION AREA (SQ M)	1.5862E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6004E+01
NUMBER OF PEOPLE EVACUATED	1.3648E+06
COST OF THE EVACUATION (\$)	2.5248E+08
COST PER REM AVOIDED (\$/REM)	1.9077E+01

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.8497E+04
DOSE AVOIDED (REM)	1.0189E+07
EVACUATION AREA (SQ M)	4.8082E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4096E+01
NUMBER OF PEOPLE EVACUATED	4.0453E+05
COST OF THE EVACUATION (\$)	7.4839E+07
COST PER REM AVOIDED (\$/REM)	7.3451E+00

TABLE B.29. Evacuation Results, Pasquill D, 90 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.3678E+05
DOSE AVOIDED (REM)	1.9891E+07	DOSE AVOIDED (REM)	1.2438E+07
EVACUATION AREA (SQ M)	2.4931E+11	EVACUATION AREA (SQ M)	1.4717E+10
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6768E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.5714E+01
NUMBER OF PEOPLE EVACUATED	2.1842E+07	NUMBER OF PEOPLE EVACUATED	1.2820E+06
COST OF THE EVACUATION (\$)	4.0037E+09	COST OF THE EVACUATION (\$)	2.3347E+08
COST PER REM AVOIDED (\$/REM)	2.0128E+02	COST PER REM AVOIDED (\$/REM)	1.8771E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.6338E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.1262E+05
DOSE AVOIDED (REM)	1.9891E+07	DOSE AVOIDED (REM)	1.1454E+07
EVACUATION AREA (SQ M)	2.4931E+11	EVACUATION AREA (SQ M)	9.9832E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6768E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.5185E+01
NUMBER OF PEOPLE EVACUATED	2.1842E+07	NUMBER OF PEOPLE EVACUATED	8.5078E+05
COST OF THE EVACUATION (\$)	4.0037E+09	COST OF THE EVACUATION (\$)	1.5739E+08
COST PER REM AVOIDED (\$/REM)	2.0128E+02	COST PER REM AVOIDED (\$/REM)	1.3741E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	9.6583E+04
DOSE AVOIDED (REM)	1.6794E+07	DOSE AVOIDED (REM)	1.0652E+07
EVACUATION AREA (SQ M)	8.1363E+10	EVACUATION AREA (SQ M)	7.3488E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6633E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.4591E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06	NUMBER OF PEOPLE EVACUATED	6.2192E+05
COST OF THE EVACUATION (\$)	1.3048E+09	COST OF THE EVACUATION (\$)	1.1508E+08
COST PER REM AVOIDED (\$/REM)	7.7683E+01	COST PER REM AVOIDED (\$/REM)	1.0802E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	8.8497E+04
DOSE AVOIDED (REM)	1.3235E+07	DOSE AVOIDED (REM)	1.0189E+07
EVACUATION AREA (SQ M)	2.0385E+10	EVACUATION AREA (SQ M)	6.1733E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6027E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.4186E+01
NUMBER OF PEOPLE EVACUATED	1.7544E+06	NUMBER OF PEOPLE EVACUATED	5.1980E+05
COST OF THE EVACUATION (\$)	3.2458E+08	COST OF THE EVACUATION (\$)	9.6184E+07
COST PER REM AVOIDED (\$/REM)	2.4523E+01	COST PER REM AVOIDED (\$/REM)	9.4380E+00

TABLE B.30. Evacuation Results, Pasquill D, 178 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 5.6338E+05
 DOSE AVOIDED (REM) 1.9890E+07
 EVACUATION AREA (SQ M) 4.9305E+11
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6772E+01
 NUMBER OF PEOPLE EVACUATED 4.2801E+07
 COST OF THE EVACUATION (\$) 7.9182E+09
 COST PER REM AVOIDED (\$/REM) 3.9810E+02

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.3678E+05
 DOSE AVOIDED (REM) 1.2440E+07
 EVACUATION AREA (SQ M) 2.9077E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.5768E+01
 NUMBER OF PEOPLE EVACUATED 2.4949E+06
 COST OF THE EVACUATION (\$) 4.6156E+08
 COST PER REM AVOIDED (\$/REM) 3.7103E+01

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 5.6338E+05
 DOSE AVOIDED (REM) 1.9890E+07
 EVACUATION AREA (SQ M) 4.9305E+11
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6772E+01
 NUMBER OF PEOPLE EVACUATED 4.2801E+07
 COST OF THE EVACUATION (\$) 7.9182E+09
 COST PER REM AVOIDED (\$/REM) 3.9810E+02

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.1282E+05
 DOSE AVOIDED (REM) 1.1450E+07
 EVACUATION AREA (SQ M) 1.9715E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.5259E+01
 NUMBER OF PEOPLE EVACUATED 1.6816E+06
 COST OF THE EVACUATION (\$) 3.1109E+08
 COST PER REM AVOIDED (\$/REM) 2.7169E+01

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 3.2182E+05
 DOSE AVOIDED (REM) 1.8790E+07
 EVACUATION AREA (SQ M) 1.6089E+11
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6641E+01
 NUMBER OF PEOPLE EVACUATED 1.3946E+07
 COST OF THE EVACUATION (\$) 2.5800E+09
 COST PER REM AVOIDED (\$/REM) 1.5366E+02

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 9.6583E+04
 DOSE AVOIDED (REM) 1.0650E+07
 EVACUATION AREA (SQ M) 1.4505E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.4691E+01
 NUMBER OF PEOPLE EVACUATED 1.2290E+06
 COST OF THE EVACUATION (\$) 2.2736E+08
 COST PER REM AVOIDED (\$/REM) 2.1348E+01

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6102E+05
 DOSE AVOIDED (REM) 1.3240E+07
 EVACUATION AREA (SQ M) 4.0287E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.6066E+01
 NUMBER OF PEOPLE EVACUATED 3.4688E+06
 COST OF THE EVACUATION (\$) 6.4172E+08
 COST PER REM AVOIDED (\$/REM) 4.8468E+01

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 8.8497E+04
 DOSE AVOIDED (REM) 1.0190E+07
 EVACUATION AREA (SQ M) 1.2180E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.4286E+01
 NUMBER OF PEOPLE EVACUATED 1.0270E+06
 COST OF THE EVACUATION (\$) 1.8999E+08
 COST PER REM AVOIDED (\$/REM) 1.8645E+01

TABLE B.31. Evacuation Results, Pasquill D, 70 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	2.8967E+05	DOSE AVOIDED (REM)	1.0133E+05
EVACUATION AREA (SQ M)	5.7225E+09	EVACUATION AREA (SQ M)	2.7137E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.4533E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.9042E+01
NUMBER OF PEOPLE EVACUATED	4.8396E+05	NUMBER OF PEOPLE EVACUATED	1.3314E+04
COST OF THE EVACUATION (\$)	8.9533E+07	COST OF THE EVACUATION (\$)	2.4631E+06
COST PER REM AVOIDED (\$/REM)	3.0909E+02	COST PER REM AVOIDED (\$/REM)	2.4308E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.3677E+04
DOSE AVOIDED (REM)	2.4862E+05	DOSE AVOIDED (REM)	7.6802E+04
EVACUATION AREA (SQ M)	3.2259E+09	EVACUATION AREA (SQ M)	1.3843E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.2845E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.3127E+01
NUMBER OF PEOPLE EVACUATED	2.6738E+05	NUMBER OF PEOPLE EVACUATED	5.9723E+03
COST OF THE EVACUATION (\$)	4.9462E+07	COST OF THE EVACUATION (\$)	1.1049E+06
COST PER REM AVOIDED (\$/REM)	1.9895E+02	COST PER REM AVOIDED (\$/REM)	1.4386E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.1263E+04
DOSE AVOIDED (REM)	1.8945E+05	DOSE AVOIDED (REM)	6.6982E+04
EVACUATION AREA (SQ M)	1.4494E+09	EVACUATION AREA (SQ M)	1.0166E+08
AVERAGE POPULATION DENSITY (/SQ K)	7.1934E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.1556E+01
NUMBER OF PEOPLE EVACUATED	1.0431E+05	NUMBER OF PEOPLE EVACUATED	4.2263E+03
COST OF THE EVACUATION (\$)	1.9297E+07	COST OF THE EVACUATION (\$)	7.8187E+05
COST PER REM AVOIDED (\$/REM)	1.0186E+02	COST PER REM AVOIDED (\$/REM)	1.1673E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.8157E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	9.6586E+03
DOSE AVOIDED (REM)	1.2716E+05	DOSE AVOIDED (REM)	5.9645E+04
EVACUATION AREA (SQ M)	5.0845E+08	EVACUATION AREA (SQ M)	8.1127E+07
AVERAGE POPULATION DENSITY (/SQ K)	5.3707E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.0058E+01
NUMBER OF PEOPLE EVACUATED	2.7320E+04	NUMBER OF PEOPLE EVACUATED	3.2512E+03
COST OF THE EVACUATION (\$)	5.0542E+06	COST OF THE EVACUATION (\$)	6.0147E+05
COST PER REM AVOIDED (\$/REM)	3.9747E+01	COST PER REM AVOIDED (\$/REM)	1.0084E+01

TABLE B.32. Evacuation Results, Pasquill D, 90 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 9.6583E+04
 DOSE AVOIDED (REM) 2.8967E+05
 EVACUATION AREA (SQ M) 7.3488E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 8.4591E+01
 NUMBER OF PEOPLE EVACUATED 8.2192E+05
 COST OF THE EVACUATION (\$) 1.1506E+08
 COST PER REM AVOIDED (\$/REM) 3.9721E+02

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 2.0117E+04
 DOSE AVOIDED (REM) 1.0133E+05
 EVACUATION AREA (SQ M) 3.4019E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.9382E+01
 NUMBER OF PEOPLE EVACUATED 1.8807E+04
 COST OF THE EVACUATION (\$) 3.1093E+06
 COST PER REM AVOIDED (\$/REM) 3.0685E+01

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 7.2397E+04
 DOSE AVOIDED (REM) 2.4862E+05
 EVACUATION AREA (SQ M) 4.1388E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 8.2942E+01
 NUMBER OF PEOPLE EVACUATED 3.4344E+05
 COST OF THE EVACUATION (\$) 6.3536E+07
 COST PER REM AVOIDED (\$/REM) 2.5555E+02

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.3677E+04
 DOSE AVOIDED (REM) 7.6805E+04
 EVACUATION AREA (SQ M) 1.6926E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.3508E+01
 NUMBER OF PEOPLE EVACUATED 7.3673E+03
 COST OF THE EVACUATION (\$) 1.3629E+06
 COST PER REM AVOIDED (\$/REM) 1.7745E+01

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 4.8303E+04
 DOSE AVOIDED (REM) 1.8948E+05
 EVACUATION AREA (SQ M) 1.8549E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 7.2104E+01
 NUMBER OF PEOPLE EVACUATED 1.3380E+05
 COST OF THE EVACUATION (\$) 2.4753E+07
 COST PER REM AVOIDED (\$/REM) 1.3065E+02

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.1263E+04
 DOSE AVOIDED (REM) 6.6985E+04
 EVACUATION AREA (SQ M) 1.2200E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.1989E+01
 NUMBER OF PEOPLE EVACUATED 5.1224E+03
 COST OF THE EVACUATION (\$) 9.4785E+05
 COST PER REM AVOIDED (\$/REM) 1.4147E+01

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 2.8157E+04
 DOSE AVOIDED (REM) 1.2717E+05
 EVACUATION AREA (SQ M) 6.4502E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 5.3950E+01
 NUMBER OF PEOPLE EVACUATED 3.4814E+04
 COST OF THE EVACUATION (\$) 6.4406E+06
 COST PER REM AVOIDED (\$/REM) 5.0646E+01

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 9.6566E+03
 DOSE AVOIDED (REM) 5.9648E+04
 EVACUATION AREA (SQ M) 9.5595E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 4.0452E+01
 NUMBER OF PEOPLE EVACUATED 3.8687E+03
 COST OF THE EVACUATION (\$) 7.1570E+05
 COST PER REM AVOIDED (\$/REM) 1.1999E+01

TABLE B.33. Evacuation Results, Pasquill D, 178 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	2.8970E+05	DOSE AVOIDED (REM)	1.0130E+05
EVACUATION AREA (SQ M)	1.4506E+10	EVACUATION AREA (SQ M)	6.4301E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.4691E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.0015E+01
NUMBER OF PEOPLE EVACUATED	1.2290E+06	NUMBER OF PEOPLE EVACUATED	3.2175E+04
COST OF THE EVACUATION (\$)	2.2736E+08	COST OF THE EVACUATION (\$)	5.9523E+06
COST PER REM AVOIDED (\$/REM)	7.8481E+02	COST PER REM AVOIDED (\$/REM)	5.8759E+01
PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.3677E+04
DOSE AVOIDED (REM)	2.4860E+05	DOSE AVOIDED (REM)	7.6800E+04
EVACUATION AREA (SQ M)	8.1559E+09	EVACUATION AREA (SQ M)	3.0498E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.3118E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.4288E+01
NUMBER OF PEOPLE EVACUATED	6.7818E+05	NUMBER OF PEOPLE EVACUATED	1.3505E+04
COST OF THE EVACUATION (\$)	1.2546E+08	COST OF THE EVACUATION (\$)	2.4984E+06
COST PER REM AVOIDED (\$/REM)	5.0467E+02	COST PER REM AVOIDED (\$/REM)	3.2531E+01
PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	1.1263E+04
DOSE AVOIDED (REM)	1.8950E+05	DOSE AVOIDED (REM)	6.8990E+04
EVACUATION AREA (SQ M)	3.6387E+09	EVACUATION AREA (SQ M)	2.1147E+08
AVERAGE POPULATION DENSITY (/SQ K)	7.2401E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.2849E+01
NUMBER OF PEOPLE EVACUATED	2.8358E+05	NUMBER OF PEOPLE EVACUATED	9.0853E+03
COST OF THE EVACUATION (\$)	4.8758E+07	COST OF THE EVACUATION (\$)	1.8771E+06
COST PER REM AVOIDED (\$/REM)	2.5730E+02	COST PER REM AVOIDED (\$/REM)	2.5035E+01
PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.8157E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	9.8588E+03
DOSE AVOIDED (REM)	1.2720E+05	DOSE AVOIDED (REM)	5.9650E+04
EVACUATION AREA (SQ M)	1.2459E+09	EVACUATION AREA (SQ M)	1.5928E+08
AVERAGE POPULATION DENSITY (/SQ K)	5.4386E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.1336E+01
NUMBER OF PEOPLE EVACUATED	6.7789E+04	NUMBER OF PEOPLE EVACUATED	6.5858E+03
COST OF THE EVACUATION (\$)	1.2541E+07	COST OF THE EVACUATION (\$)	1.2183E+06
COST PER REM AVOIDED (\$/REM)	9.8593E+01	COST PER REM AVOIDED (\$/REM)	2.0424E+01

TABLE B.34. Evacuation Results, Pasquill D, 70 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8274E+03		
DOSE AVOIDED (REM)	2.9559E+02		
EVACUATION AREA (SQ M)	3.8399E+07	PAG DOSE VALUE (REM)	10.00
AVERAGE POPULATION DENSITY (/SQ K)	3.8842E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.4078E+03		
COST OF THE EVACUATION (\$)	2.8041E+05	NO CONTAMINATION OFFSITE	
COST PER REM AVOIDED (\$/REM)	8.8098E+02		
PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2174E+03		
DOSE AVOIDED (REM)	1.9780E+02		
EVACUATION AREA (SQ M)	3.0487E+07	PAG DOSE VALUE (REM)	20.00
AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0164E+05	NO CONTAMINATION OFFSITE	
COST PER REM AVOIDED (\$/REM)	1.0204E+03		
PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03		
DOSE AVOIDED (REM)	1.9780E+02		
EVACUATION AREA (SQ M)	3.0487E+07		
AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01		
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0164E+05		
COST PER REM AVOIDED (\$/REM)	1.0204E+03		

TABLE B.35. Evacuation Results, Pasquill D, 90 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	PAG DOSE VALUE (REM)	10.00
EVACUATION ZONE: TOTAL DISTANCE (M) ..	4.8274E+03	EVACUATION COST PER PERSON (\$)	185.00
DOSE AVOIDED (REM)	2.9578E+02	NO CONTAMINATION OFFSITE	
EVACUATION AREA (SQ M)	4.0859E+07	PAG DOSE VALUE (REM)	15.00
AVERAGE POPULATION DENSITY (/SQ K) ..	3.6837E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.4984E+03	NO CONTAMINATION OFFSITE	
COST OF THE EVACUATION (\$)	2.7721E+05	PAG DOSE VALUE (REM)	20.00
COST PER REM AVOIDED (\$/REM)	9.3728E+02	EVACUATION COST PER PERSON (\$)	185.00
PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	PAG DOSE VALUE (REM)	20.00
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2174E+03	EVACUATION COST PER PERSON (\$)	185.00
DOSE AVOIDED (REM)	1.9760E+02	NO CONTAMINATION OFFSITE	
EVACUATION AREA (SQ M)	3.0487E+07	PAG DOSE VALUE (REM)	25.00
AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.0899E+03	NO CONTAMINATION OFFSITE	
COST OF THE EVACUATION (\$)	2.0164E+05	PAG DOSE VALUE (REM)	25.00
COST PER REM AVOIDED (\$/REM)	1.0204E+03	EVACUATION COST PER PERSON (\$)	185.00
PAG DOSE VALUE (REM)	2.00	NO CONTAMINATION OFFSITE	
EVACUATION COST PER PERSON (\$)	185.00		
EVACUATION ZONE ANGLE (DEGS)	90.00		
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03		
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6094E+03		
DOSE AVOIDED (REM)	1.9760E+02		
EVACUATION AREA (SQ M)	3.0487E+07		
AVERAGE POPULATION DENSITY (/SQ K) ..	3.5735E+01		
NUMBER OF PEOPLE EVACUATED	1.0899E+03		
COST OF THE EVACUATION (\$)	2.0164E+05		
COST PER REM AVOIDED (\$/REM)	1.0204E+03		

TABLE B.36. Evacuation Results, Pasquill D, 178 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 4.8274E+03
 DOSE AVOIDED (REM) 2.9580E+02
 EVACUATION AREA (SQ M) 5.0806E+07
 AVERAGE POPULATION DENSITY (/SQ K) 3.7485E+01
 NUMBER OF PEOPLE EVACUATED 1.8978E+03
 COST OF THE EVACUATION (\$) 3.5109E+05
 COST PER REM AVOIDED (\$/REM) 1.1889E+03

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 3.2174E+03
 DOSE AVOIDED (REM) 1.9760E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 1.0204E+03

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 178.00
 EVACUATION ZONE: CIRCLE RADIUS (M) 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6094E+03
 DOSE AVOIDED (REM) 1.9760E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 1.0204E+03

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.37. Evacuation Results, Pasquill E, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05
DOSE AVOIDED (REM)	2.2630E+07	DOSE AVOIDED (REM)	2.0904E+07
EVACUATION AREA (SQ M)	6.3289E+10	EVACUATION AREA (SQ M)	1.5862E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6629E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.6004E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06	NUMBER OF PEOPLE EVACUATED	1.3648E+06
COST OF THE EVACUATION (\$)	1.0147E+09	COST OF THE EVACUATION (\$)	2.5248E+08
COST PER REM AVOIDED (\$/REM)	4.4839E+01	COST PER REM AVOIDED (\$/REM)	1.2078E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+05
DOSE AVOIDED (REM)	2.2630E+07	DOSE AVOIDED (REM)	2.0155E+07
EVACUATION AREA (SQ M)	6.3289E+10	EVACUATION AREA (SQ M)	1.1453E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6629E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.5687E+01
NUMBER OF PEOPLE EVACUATED	5.4849E+06	NUMBER OF PEOPLE EVACUATED	9.8181E+05
COST OF THE EVACUATION (\$)	1.0147E+09	COST OF THE EVACUATION (\$)	1.8163E+08
COST PER REM AVOIDED (\$/REM)	4.4839E+01	COST PER REM AVOIDED (\$/REM)	9.0117E+00

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4138E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05
DOSE AVOIDED (REM)	2.2134E+07	DOSE AVOIDED (REM)	1.9121E+07
EVACUATION AREA (SQ M)	3.5617E+10	EVACUATION AREA (SQ M)	7.7715E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6467E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.5143E+01
NUMBER OF PEOPLE EVACUATED	3.0810E+06	NUMBER OF PEOPLE EVACUATED	6.6196E+05
COST OF THE EVACUATION (\$)	5.6998E+08	COST OF THE EVACUATION (\$)	1.2246E+08
COST PER REM AVOIDED (\$/REM)	2.5751E+01	COST PER REM AVOIDED (\$/REM)	6.4045E+00

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05
DOSE AVOIDED (REM)	2.0904E+07	DOSE AVOIDED (REM)	1.9121E+07
EVACUATION AREA (SQ M)	1.5862E+10	EVACUATION AREA (SQ M)	7.7715E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.6004E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.5143E+01
NUMBER OF PEOPLE EVACUATED	1.3648E+06	NUMBER OF PEOPLE EVACUATED	6.6196E+05
COST OF THE EVACUATION (\$)	2.5248E+08	COST OF THE EVACUATION (\$)	1.2246E+08
COST PER REM AVOIDED (\$/REM)	1.2078E+01	COST PER REM AVOIDED (\$/REM)	6.4045E+00

TABLE B.38. Evacuation Results, Pasquill E, 90 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6102E+05
DOSE AVOIDED (REM)	2.2630E+07	DOSE AVOIDED (REM)	2.0904E+07
EVACUATION AREA (SQ M)	8.1363E+10	EVACUATION AREA (SQ M)	2.0385E+10
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6633E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.6027E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06	NUMBER OF PEOPLE EVACUATED	1.7544E+06
COST OF THE EVACUATION (\$)	1.3048E+09	COST OF THE EVACUATION (\$)	3.2458E+08
COST PER REM AVOIDED (\$/REM)	5.7649E+01	COST PER REM AVOIDED (\$/REM)	1.5526E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2182E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.3678E+05
DOSE AVOIDED (REM)	2.2630E+07	DOSE AVOIDED (REM)	2.0155E+07
EVACUATION AREA (SQ M)	8.1363E+10	EVACUATION AREA (SQ M)	1.4717E+10
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6633E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.5714E+01
NUMBER OF PEOPLE EVACUATED	7.0517E+06	NUMBER OF PEOPLE EVACUATED	1.2620E+06
COST OF THE EVACUATION (\$)	1.3048E+09	COST OF THE EVACUATION (\$)	2.3347E+08
COST PER REM AVOIDED (\$/REM)	5.7649E+01	COST PER REM AVOIDED (\$/REM)	1.1684E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	2.4138E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.1262E+05
DOSE AVOIDED (REM)	2.2134E+07	DOSE AVOIDED (REM)	1.9121E+07
EVACUATION AREA (SQ M)	4.5784E+10	EVACUATION AREA (SQ M)	9.9832E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6476E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.5185E+01
NUMBER OF PEOPLE EVACUATED	3.9609E+06	NUMBER OF PEOPLE EVACUATED	8.5078E+05
COST OF THE EVACUATION (\$)	7.3277E+08	COST OF THE EVACUATION (\$)	1.5739E+08
COST PER REM AVOIDED (\$/REM)	3.3108E+01	COST PER REM AVOIDED (\$/REM)	8.2313E+00

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.6102E+05	EVACUATION ZONE: TOTAL DISTANCE (M) ..	1.1262E+05
DOSE AVOIDED (REM)	2.0904E+07	DOSE AVOIDED (REM)	1.9121E+07
EVACUATION AREA (SQ M)	2.0385E+10	EVACUATION AREA (SQ M)	9.9832E+09
AVERAGE POPULATION DENSITY (/SQ K) ..	8.6027E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	8.5185E+01
NUMBER OF PEOPLE EVACUATED	1.7544E+06	NUMBER OF PEOPLE EVACUATED	8.5078E+05
COST OF THE EVACUATION (\$)	3.2458E+08	COST OF THE EVACUATION (\$)	1.5739E+08
COST PER REM AVOIDED (\$/REM)	1.5526E+01	COST PER REM AVOIDED (\$/REM)	8.2313E+00

TABLE B.39. Evacuation Results, Pasquill E, 178 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	2.2630E+07
EVACUATION AREA (SQ M)	1.6089E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6641E+01
NUMBER OF PEOPLE EVACUATED	1.3948E+07
COST OF THE EVACUATION (\$)	2.5800E+09
COST PER REM AVOIDED (\$/REM)	1.1401E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05
DOSE AVOIDED (REM)	2.0900E+07
EVACUATION AREA (SQ M)	4.0287E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6088E+01
NUMBER OF PEOPLE EVACUATED	3.4888E+06
COST OF THE EVACUATION (\$)	6.4172E+08
COST PER REM AVOIDED (\$/REM)	3.0704E+01

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	3.2182E+05
DOSE AVOIDED (REM)	2.2630E+07
EVACUATION AREA (SQ M)	1.6089E+11
AVERAGE POPULATION DENSITY (/SQ K)	8.6641E+01
NUMBER OF PEOPLE EVACUATED	1.3948E+07
COST OF THE EVACUATION (\$)	2.5800E+09
COST PER REM AVOIDED (\$/REM)	1.1401E+02

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+05
DOSE AVOIDED (REM)	2.0150E+07
EVACUATION AREA (SQ M)	2.9077E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.5768E+01
NUMBER OF PEOPLE EVACUATED	2.4949E+06
COST OF THE EVACUATION (\$)	4.6158E+08
COST PER REM AVOIDED (\$/REM)	2.2906E+01

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	2.4138E+05
DOSE AVOIDED (REM)	2.2130E+07
EVACUATION AREA (SQ M)	9.0521E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6490E+01
NUMBER OF PEOPLE EVACUATED	7.8328E+06
COST OF THE EVACUATION (\$)	1.4491E+09
COST PER REM AVOIDED (\$/REM)	6.5481E+01

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05
DOSE AVOIDED (REM)	1.9120E+07
EVACUATION AREA (SQ M)	1.9715E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.5259E+01
NUMBER OF PEOPLE EVACUATED	1.6816E+06
COST OF THE EVACUATION (\$)	3.1109E+08
COST PER REM AVOIDED (\$/REM)	1.6270E+01

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6102E+05
DOSE AVOIDED (REM)	2.0900E+07
EVACUATION AREA (SQ M)	4.0287E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.6088E+01
NUMBER OF PEOPLE EVACUATED	3.4888E+06
COST OF THE EVACUATION (\$)	6.4172E+08
COST PER REM AVOIDED (\$/REM)	3.0704E+01

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05
DOSE AVOIDED (REM)	1.9120E+07
EVACUATION AREA (SQ M)	1.9715E+10
AVERAGE POPULATION DENSITY (/SQ K)	8.5259E+01
NUMBER OF PEOPLE EVACUATED	1.6816E+06
COST OF THE EVACUATION (\$)	3.1109E+08
COST PER REM AVOIDED (\$/REM)	1.6270E+01

TABLE B.40. Evacuation Results, Pasquill E, 70 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3878E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04
DOSE AVOIDED (REM)	5.6321E+05	DOSE AVOIDED (REM)	2.6373E+05
EVACUATION AREA (SQ M)	1.1453E+10	EVACUATION AREA (SQ M)	6.5767E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.5687E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.4919E+01
NUMBER OF PEOPLE EVACUATED	9.8181E+05	NUMBER OF PEOPLE EVACUATED	3.6134E+04
COST OF THE EVACUATION (\$)	1.8163E+08	COST OF THE EVACUATION (\$)	6.6849E+06
COST PER REM AVOIDED (\$/REM)	3.2249E+02	COST PER REM AVOIDED (\$/REM)	2.5348E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4143E+04
DOSE AVOIDED (REM)	5.0460E+05	DOSE AVOIDED (REM)	2.2074E+05
EVACUATION AREA (SQ M)	5.7225E+09	EVACUATION AREA (SQ M)	3.8024E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.4533E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.1907E+01
NUMBER OF PEOPLE EVACUATED	4.8396E+05	NUMBER OF PEOPLE EVACUATED	1.9746E+04
COST OF THE EVACUATION (\$)	8.9533E+07	COST OF THE EVACUATION (\$)	3.6530E+06
COST PER REM AVOIDED (\$/REM)	1.7743E+02	COST PER REM AVOIDED (\$/REM)	1.6549E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	4.4754E+05	DOSE AVOIDED (REM)	1.9457E+05
EVACUATION AREA (SQ M)	3.2259E+09	EVACUATION AREA (SQ M)	2.7137E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.2845E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.9042E+01
NUMBER OF PEOPLE EVACUATED	2.6736E+05	NUMBER OF PEOPLE EVACUATED	1.3314E+04
COST OF THE EVACUATION (\$)	4.9462E+07	COST OF THE EVACUATION (\$)	2.4631E+06
COST PER REM AVOIDED (\$/REM)	1.1052E+02	COST PER REM AVOIDED (\$/REM)	1.2659E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	3.5379E+05	DOSE AVOIDED (REM)	1.9457E+05
EVACUATION AREA (SQ M)	1.4494E+09	EVACUATION AREA (SQ M)	2.7137E+08
AVERAGE POPULATION DENSITY (/SQ K)	7.1934E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.9042E+01
NUMBER OF PEOPLE EVACUATED	1.0431E+05	NUMBER OF PEOPLE EVACUATED	1.3314E+04
COST OF THE EVACUATION (\$)	1.9297E+07	COST OF THE EVACUATION (\$)	2.4631E+06
COST PER REM AVOIDED (\$/REM)	5.4544E+01	COST PER REM AVOIDED (\$/REM)	1.2659E+01

TABLE B.41. Evacuation Results, Pasquill E, 90 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 1.3678E+05
 DOSE AVOIDED (REM) 5.6321E+05
 EVACUATION AREA (SQ M) 1.4717E+10
 AVERAGE POPULATION DENSITY (/SQ K) . 8.5714E+01
 NUMBER OF PEOPLE EVACUATED 1.2620E+06
 COST OF THE EVACUATION (\$) 2.3347E+08
 COST PER REM AVOIDED (\$/REM) 4.1453E+02

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 9.6583E+04
 DOSE AVOIDED (REM) 5.0460E+05
 EVACUATION AREA (SQ M) 7.3488E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 8.4591E+01
 NUMBER OF PEOPLE EVACUATED 6.2192E+05
 COST OF THE EVACUATION (\$) 1.1506E+08
 COST PER REM AVOIDED (\$/REM) 2.2802E+02

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 7.2397E+04
 DOSE AVOIDED (REM) 4.4754E+05
 EVACUATION AREA (SQ M) 4.1388E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 8.2942E+01
 NUMBER OF PEOPLE EVACUATED 3.4344E+05
 COST OF THE EVACUATION (\$) 6.3538E+07
 COST PER REM AVOIDED (\$/REM) 1.4197E+02

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 4.8303E+04
 DOSE AVOIDED (REM) 3.5379E+05
 EVACUATION AREA (SQ M) 1.8549E+09
 AVERAGE POPULATION DENSITY (/SQ K) . 7.2104E+01
 NUMBER OF PEOPLE EVACUATED 1.3380E+05
 COST OF THE EVACUATION (\$) 2.4753E+07
 COST PER REM AVOIDED (\$/REM) 6.9965E+01

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 3.2203E+04
 DOSE AVOIDED (REM) 2.6373E+05
 EVACUATION AREA (SQ M) 8.3688E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 5.5120E+01
 NUMBER OF PEOPLE EVACUATED 4.6147E+04
 COST OF THE EVACUATION (\$) 8.5372E+06
 COST PER REM AVOIDED (\$/REM) 3.2371E+01

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 2.4143E+04
 DOSE AVOIDED (REM) 2.2074E+05
 EVACUATION AREA (SQ M) 4.8017E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 5.2201E+01
 NUMBER OF PEOPLE EVACUATED 2.5078E+04
 COST OF THE EVACUATION (\$) 4.6391E+06
 COST PER REM AVOIDED (\$/REM) 2.1018E+01

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 2.0117E+04
 DOSE AVOIDED (REM) 1.9457E+05
 EVACUATION AREA (SQ M) 3.4019E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.9382E+01
 NUMBER OF PEOPLE EVACUATED 1.6807E+04
 COST OF THE EVACUATION (\$) 3.1093E+06
 COST PER REM AVOIDED (\$/REM) 1.5980E+01

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) . 2.0117E+04
 DOSE AVOIDED (REM) 1.9457E+05
 EVACUATION AREA (SQ M) 3.4019E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.9382E+01
 NUMBER OF PEOPLE EVACUATED 1.6807E+04
 COST OF THE EVACUATION (\$) 3.1093E+06
 COST PER REM AVOIDED (\$/REM) 1.5980E+01

TABLE B.42. Evacuation Results, Pasquill E, 178 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+06	EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04
DOSE AVOIDED (REM)	5.6320E+05	DOSE AVOIDED (REM)	2.6370E+05
EVACUATION AREA (SQ M)	2.9077E+10	EVACUATION AREA (SQ M)	1.6253E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5768E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.5475E+01
NUMBER OF PEOPLE EVACUATED	2.4949E+06	NUMBER OF PEOPLE EVACUATED	9.0203E+04
COST OF THE EVACUATION (\$)	4.6156E+08	COST OF THE EVACUATION (\$)	1.6688E+07
COST PER REM AVOIDED (\$/REM)	8.1953E+02	COST PER REM AVOIDED (\$/REM)	6.3284E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4143E+04
DOSE AVOIDED (REM)	5.0460E+05	DOSE AVOIDED (REM)	2.2070E+05
EVACUATION AREA (SQ M)	1.4505E+10	EVACUATION AREA (SQ M)	9.1986E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.4691E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.2734E+01
NUMBER OF PEOPLE EVACUATED	1.2290E+06	NUMBER OF PEOPLE EVACUATED	4.8529E+04
COST OF THE EVACUATION (\$)	2.2736E+08	COST OF THE EVACUATION (\$)	8.9779E+06
COST PER REM AVOIDED (\$/REM)	4.5057E+02	COST PER REM AVOIDED (\$/REM)	4.0679E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	4.4750E+05	DOSE AVOIDED (REM)	1.9460E+05
EVACUATION AREA (SQ M)	8.1559E+09	EVACUATION AREA (SQ M)	6.4301E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.3118E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.0015E+01
NUMBER OF PEOPLE EVACUATED	6.7818E+05	NUMBER OF PEOPLE EVACUATED	3.2175E+04
COST OF THE EVACUATION (\$)	1.2546E+08	COST OF THE EVACUATION (\$)	5.9523E+06
COST PER REM AVOIDED (\$/REM)	2.8036E+02	COST PER REM AVOIDED (\$/REM)	3.0587E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.8303E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	3.5380E+05	DOSE AVOIDED (REM)	1.9460E+05
EVACUATION AREA (SQ M)	3.6387E+09	EVACUATION AREA (SQ M)	6.4301E+08
AVERAGE POPULATION DENSITY (/SQ K)	7.2401E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.0015E+01
NUMBER OF PEOPLE EVACUATED	2.6358E+05	NUMBER OF PEOPLE EVACUATED	3.2175E+04
COST OF THE EVACUATION (\$)	4.8758E+07	COST OF THE EVACUATION (\$)	5.9523E+06
COST PER REM AVOIDED (\$/REM)	1.3781E+02	COST PER REM AVOIDED (\$/REM)	3.0587E+01

TABLE B.43. Evacuation Results, Pasquill E, 70 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6586E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	9.8898E+02	DOSE AVOIDED (REM)	3.7100E+02
EVACUATION AREA (SQ M)	8.1127E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.0058E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.2512E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	6.0147E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	6.0818E+02	COST PER REM AVOIDED (\$/REM)	5.4350E+02
PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03		
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4374E+03	PAG DOSE VALUE (REM)	15.00
DOSE AVOIDED (REM)	7.1772E+02	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION AREA (SQ M)	4.9478E+07	NO CONTAMINATION OFFSITE	
AVERAGE POPULATION DENSITY (/SQ K)	3.7425E+01		
NUMBER OF PEOPLE EVACUATED	1.8525E+03	PAG DOSE VALUE (REM)	20.00
COST OF THE EVACUATION (\$)	3.4271E+05	EVACUATION COST PER PERSON (\$)	185.00
COST PER REM AVOIDED (\$/REM)	4.7750E+02	NO CONTAMINATION OFFSITE	
PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03		
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0248E+03	PAG DOSE VALUE (REM)	25.00
DOSE AVOIDED (REM)	4.7232E+02	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION AREA (SQ M)	3.4058E+07	NO CONTAMINATION OFFSITE	
AVERAGE POPULATION DENSITY (/SQ K)	3.6197E+01		
NUMBER OF PEOPLE EVACUATED	1.2333E+03		
COST OF THE EVACUATION (\$)	2.2817E+05		
COST PER REM AVOIDED (\$/REM)	4.8308E+02		

TABLE B.44. Evacuation Results, Pasquill E, 90 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6568E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	9.8897E+02	DOSE AVOIDED (REM)	3.7100E+02
EVACUATION AREA (SQ M)	9.5595E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.0452E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.8687E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	7.1570E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	7.2368E+02	COST PER REM AVOIDED (\$/REM)	5.4350E+02

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	PAG DOSE VALUE (REM)	15.00
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4374E+03	EVACUATION COST PER PERSON (\$)	185.00
DOSE AVOIDED (REM)	7.1772E+02	NO CONTAMINATION OFFSITE	
EVACUATION AREA (SQ M)	5.4904E+07	PAG DOSE VALUE (REM)	20.00
AVERAGE POPULATION DENSITY (/SQ K)	3.7693E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	2.0704E+03	NO CONTAMINATION OFFSITE	
COST OF THE EVACUATION (\$)	3.8302E+05	PAG DOSE VALUE (REM)	25.00
COST PER REM AVOIDED (\$/REM)	5.3366E+02	EVACUATION COST PER PERSON (\$)	185.00

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	NO CONTAMINATION OFFSITE	
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	PAG DOSE VALUE (REM)	25.00
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0246E+03	EVACUATION COST PER PERSON (\$)	185.00
DOSE AVOIDED (REM)	4.7233E+02	NO CONTAMINATION OFFSITE	
EVACUATION AREA (SQ M)	3.5078E+07	PAG DOSE VALUE (REM)	25.00
AVERAGE POPULATION DENSITY (/SQ K)	3.6312E+01	EVACUATION COST PER PERSON (\$)	185.00
NUMBER OF PEOPLE EVACUATED	1.2743E+03	NO CONTAMINATION OFFSITE	
COST OF THE EVACUATION (\$)	2.3574E+05	PAG DOSE VALUE (REM)	25.00
COST PER REM AVOIDED (\$/REM)	4.9910E+02	EVACUATION COST PER PERSON (\$)	185.00

TABLE B.45. Evacuation Results, Pasquill E, 178 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6566E+03
DOSE AVOIDED (REM)	9.8900E+02
EVACUATION AREA (SQ M)	1.5928E+08
AVERAGE POPULATION DENSITY (/SQ K)	4.1336E+01
NUMBER OF PEOPLE EVACUATED	6.5856E+03
COST OF THE EVACUATION (\$)	1.2183E+06
COST PER REM AVOIDED (\$/REM)	1.2319E+03

PAG DOSE VALUE (REM)	1.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4374E+03
DOSE AVOIDED (REM)	7.1770E+02
EVACUATION AREA (SQ M)	7.8778E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.8434E+01
NUMBER OF PEOPLE EVACUATED	3.0290E+03
COST OF THE EVACUATION (\$)	5.6037E+05
COST PER REM AVOIDED (\$/REM)	7.8079E+02

PAG DOSE VALUE (REM)	2.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0248E+03
DOSE AVOIDED (REM)	4.7230E+02
EVACUATION AREA (SQ M)	3.9567E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.6746E+01
NUMBER OF PEOPLE EVACUATED	1.4546E+03
COST OF THE EVACUATION (\$)	2.6909E+05
COST PER REM AVOIDED (\$/REM)	5.6974E+02

PAG DOSE VALUE (REM)	5.00
EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	3.7100E+02
EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	5.4350E+02

PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00

NO CONTAMINATION OFFSITE

PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00

NO CONTAMINATION OFFSITE

TABLE B.46. Evacuation Results, Pasquill F, 70 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.2852E+07	DOSE AVOIDED (REM)	1.2618E+07
EVACUATION AREA (SQ M)	1.1453E+10	EVACUATION AREA (SQ M)	2.5579E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5687E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.1903E+01
NUMBER OF PEOPLE EVACUATED	9.8181E+05	NUMBER OF PEOPLE EVACUATED	2.0959E+05
COST OF THE EVACUATION (\$)	1.8163E+08	COST OF THE EVACUATION (\$)	3.8774E+07
COST PER REM AVOIDED (\$/REM)	1.4132E+01	COST PER REM AVOIDED (\$/REM)	3.0729E+00

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1282E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.2827E+07	DOSE AVOIDED (REM)	1.2618E+07
EVACUATION AREA (SQ M)	7.7715E+09	EVACUATION AREA (SQ M)	2.5579E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5143E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.1903E+01
NUMBER OF PEOPLE EVACUATED	6.6198E+05	NUMBER OF PEOPLE EVACUATED	2.0959E+05
COST OF THE EVACUATION (\$)	1.2248E+08	COST OF THE EVACUATION (\$)	3.8774E+07
COST PER REM AVOIDED (\$/REM)	9.5470E+00	COST PER REM AVOIDED (\$/REM)	3.0729E+00

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.2797E+07	DOSE AVOIDED (REM)	1.2492E+07
EVACUATION AREA (SQ M)	5.7225E+09	EVACUATION AREA (SQ M)	1.9602E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4533E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.7927E+01
NUMBER OF PEOPLE EVACUATED	4.8398E+05	NUMBER OF PEOPLE EVACUATED	1.5282E+05
COST OF THE EVACUATION (\$)	8.9533E+07	COST OF THE EVACUATION (\$)	2.8271E+07
COST PER REM AVOIDED (\$/REM)	6.9964E+00	COST PER REM AVOIDED (\$/REM)	2.2631E+00

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0483E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.2739E+07	DOSE AVOIDED (REM)	1.2492E+07
EVACUATION AREA (SQ M)	3.9811E+09	EVACUATION AREA (SQ M)	1.9602E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.3529E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.7927E+01
NUMBER OF PEOPLE EVACUATED	3.3268E+05	NUMBER OF PEOPLE EVACUATED	1.5282E+05
COST OF THE EVACUATION (\$)	6.1545E+07	COST OF THE EVACUATION (\$)	2.8271E+07
COST PER REM AVOIDED (\$/REM)	4.8312E+00	COST PER REM AVOIDED (\$/REM)	2.2631E+00

TABLE B.47. Evacuation Results, Pasquill F, 90 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3678E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.2852E+07	DOSE AVOIDED (REM)	1.2618E+07
EVACUATION AREA (SQ M)	1.4717E+10	EVACUATION AREA (SQ M)	3.2800E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5714E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2027E+01
NUMBER OF PEOPLE EVACUATED	1.2620E+06	NUMBER OF PEOPLE EVACUATED	2.6916E+05
COST OF THE EVACUATION (\$)	2.3347E+08	COST OF THE EVACUATION (\$)	4.9795E+07
COST PER REM AVOIDED (\$/REM)	1.8166E+01	COST PER REM AVOIDED (\$/REM)	3.9463E+00

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.2827E+07	DOSE AVOIDED (REM)	1.2618E+07
EVACUATION AREA (SQ M)	9.9832E+09	EVACUATION AREA (SQ M)	3.2800E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5186E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2027E+01
NUMBER OF PEOPLE EVACUATED	8.5078E+05	NUMBER OF PEOPLE EVACUATED	2.6916E+05
COST OF THE EVACUATION (\$)	1.5739E+08	COST OF THE EVACUATION (\$)	4.9795E+07
COST PER REM AVOIDED (\$/REM)	1.2270E+01	COST PER REM AVOIDED (\$/REM)	3.9463E+00

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.2797E+07	DOSE AVOIDED (REM)	1.2492E+07
EVACUATION AREA (SQ M)	7.3488E+09	EVACUATION AREA (SQ M)	2.5115E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4591E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.8073E+01
NUMBER OF PEOPLE EVACUATED	6.2192E+05	NUMBER OF PEOPLE EVACUATED	1.9817E+05
COST OF THE EVACUATION (\$)	1.1506E+08	COST OF THE EVACUATION (\$)	3.6291E+07
COST PER REM AVOIDED (\$/REM)	8.9912E+00	COST PER REM AVOIDED (\$/REM)	2.9051E+00

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0483E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.2739E+07	DOSE AVOIDED (REM)	1.2492E+07
EVACUATION AREA (SQ M)	5.1098E+09	EVACUATION AREA (SQ M)	2.5115E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.3610E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.8073E+01
NUMBER OF PEOPLE EVACUATED	4.2742E+05	NUMBER OF PEOPLE EVACUATED	1.9817E+05
COST OF THE EVACUATION (\$)	7.9072E+07	COST OF THE EVACUATION (\$)	3.6291E+07
COST PER REM AVOIDED (\$/REM)	6.2071E+00	COST PER REM AVOIDED (\$/REM)	2.9051E+00

TABLE B.48. Evacuation Results, Pasquill F, 178 Degree Evacuation Zone, SST1

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3878E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.2850E+07	DOSE AVOIDED (REM)	1.2620E+07
EVACUATION AREA (SQ M)	2.9077E+10	EVACUATION AREA (SQ M)	6.4574E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5768E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2239E+01
NUMBER OF PEOPLE EVACUATED	2.4949E+06	NUMBER OF PEOPLE EVACUATED	5.3128E+05
COST OF THE EVACUATION (\$)	4.6156E+08	COST OF THE EVACUATION (\$)	9.8286E+07
COST PER REM AVOIDED (\$/REM)	3.5919E+01	COST PER REM AVOIDED (\$/REM)	7.7881E+00

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.1262E+05	EVACUATION ZONE: TOTAL DISTANCE (M)	6.4403E+04
DOSE AVOIDED (REM)	1.2830E+07	DOSE AVOIDED (REM)	1.2620E+07
EVACUATION AREA (SQ M)	1.9715E+10	EVACUATION AREA (SQ M)	6.4574E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.5259E+01	AVERAGE POPULATION DENSITY (/SQ K)	8.2239E+01
NUMBER OF PEOPLE EVACUATED	1.6816E+06	NUMBER OF PEOPLE EVACUATED	5.3128E+05
COST OF THE EVACUATION (\$)	3.1109E+08	COST OF THE EVACUATION (\$)	9.8286E+07
COST PER REM AVOIDED (\$/REM)	2.4247E+01	COST PER REM AVOIDED (\$/REM)	7.7881E+00

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.2800E+07	DOSE AVOIDED (REM)	1.2490E+07
EVACUATION AREA (SQ M)	1.4505E+10	EVACUATION AREA (SQ M)	4.9374E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4891E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.8328E+01
NUMBER OF PEOPLE EVACUATED	1.2290E+06	NUMBER OF PEOPLE EVACUATED	3.8691E+05
COST OF THE EVACUATION (\$)	2.2736E+08	COST OF THE EVACUATION (\$)	7.1579E+07
COST PER REM AVOIDED (\$/REM)	1.7763E+01	COST PER REM AVOIDED (\$/REM)	5.7309E+00

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	8.0483E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04
DOSE AVOIDED (REM)	1.2740E+07	DOSE AVOIDED (REM)	1.2490E+07
EVACUATION AREA (SQ M)	1.0076E+10	EVACUATION AREA (SQ M)	4.9374E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.3763E+01	AVERAGE POPULATION DENSITY (/SQ K)	7.8328E+01
NUMBER OF PEOPLE EVACUATED	8.4427E+05	NUMBER OF PEOPLE EVACUATED	3.8691E+05
COST OF THE EVACUATION (\$)	1.5619E+08	COST OF THE EVACUATION (\$)	7.1579E+07
COST PER REM AVOIDED (\$/REM)	1.2260E+01	COST PER REM AVOIDED (\$/REM)	5.7309E+00

TABLE B.49. Evacuation Results, Pasquill F, 70 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	9.8583E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	3.2203E+04
DOSE AVOIDED (REM)	4.8078E+05	DOSE AVOIDED (REM)	3.5335E+05
EVACUATION AREA (SQ M)	5.7225E+09	EVACUATION AREA (SQ M)	6.5767E+08
AVERAGE POPULATION DENSITY (/SQ K) ..	8.4533E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	5.4919E+01
NUMBER OF PEOPLE EVACUATED	4.8398E+05	NUMBER OF PEOPLE EVACUATED	3.8134E+04
COST OF THE EVACUATION (\$)	8.9533E+07	COST OF THE EVACUATION (\$)	6.8849E+06
COST PER REM AVOIDED (\$/REM)	1.9432E+02	COST PER REM AVOIDED (\$/REM)	1.8919E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	2.8157E+04
DOSE AVOIDED (REM)	4.4091E+05	DOSE AVOIDED (REM)	3.3927E+05
EVACUATION AREA (SQ M)	3.2259E+09	EVACUATION AREA (SQ M)	5.0845E+08
AVERAGE POPULATION DENSITY (/SQ K) ..	8.2845E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	5.3707E+01
NUMBER OF PEOPLE EVACUATED	2.6738E+05	NUMBER OF PEOPLE EVACUATED	2.7320E+04
COST OF THE EVACUATION (\$)	4.9462E+07	COST OF THE EVACUATION (\$)	5.0542E+06
COST PER REM AVOIDED (\$/REM)	1.1218E+02	COST PER REM AVOIDED (\$/REM)	1.4897E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	5.8297E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	2.4143E+04
DOSE AVOIDED (REM)	4.1922E+05	DOSE AVOIDED (REM)	3.2159E+05
EVACUATION AREA (SQ M)	1.9802E+09	EVACUATION AREA (SQ M)	3.8024E+08
AVERAGE POPULATION DENSITY (/SQ K) ..	7.7927E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	5.1907E+01
NUMBER OF PEOPLE EVACUATED	1.5282E+05	NUMBER OF PEOPLE EVACUATED	1.9746E+04
COST OF THE EVACUATION (\$)	2.8271E+07	COST OF THE EVACUATION (\$)	3.8530E+06
COST PER REM AVOIDED (\$/REM)	6.7437E+01	COST PER REM AVOIDED (\$/REM)	1.1359E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M) ..	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M) ..	4.0217E+04	EVACUATION ZONE: TOTAL DISTANCE (M) ..	2.0117E+04
DOSE AVOIDED (REM)	3.8262E+05	DOSE AVOIDED (REM)	2.9857E+05
EVACUATION AREA (SQ M)	1.0122E+09	EVACUATION AREA (SQ M)	2.7137E+08
AVERAGE POPULATION DENSITY (/SQ K) ..	6.5828E+01	AVERAGE POPULATION DENSITY (/SQ K) ..	4.9042E+01
NUMBER OF PEOPLE EVACUATED	6.6657E+04	NUMBER OF PEOPLE EVACUATED	1.3314E+04
COST OF THE EVACUATION (\$)	1.2331E+07	COST OF THE EVACUATION (\$)	2.4831E+06
COST PER REM AVOIDED (\$/REM)	3.2228E+01	COST PER REM AVOIDED (\$/REM)	8.2497E+00

TABLE B.50. Evacuation Results, Pasquill F, 90 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.8583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04
DOSE AVOIDED (REM)	4.6078E+05	DOSE AVOIDED (REM)	3.5335E+05
EVACUATION AREA (SQ M)	7.3488E+09	EVACUATION AREA (SQ M)	8.3686E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.4591E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.5120E+01
NUMBER OF PEOPLE EVACUATED	6.2192E+05	NUMBER OF PEOPLE EVACUATED	4.6147E+04
COST OF THE EVACUATION (\$)	1.1508E+08	COST OF THE EVACUATION (\$)	8.5372E+06
COST PER REM AVOIDED (\$/REM)	2.4972E+02	COST PER REM AVOIDED (\$/REM)	2.4161E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.8157E+04
DOSE AVOIDED (REM)	4.4091E+05	DOSE AVOIDED (REM)	3.3927E+05
EVACUATION AREA (SQ M)	4.1388E+09	EVACUATION AREA (SQ M)	6.4502E+08
AVERAGE POPULATION DENSITY (/SQ K)	8.2942E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.3950E+01
NUMBER OF PEOPLE EVACUATED	3.4344E+05	NUMBER OF PEOPLE EVACUATED	3.4814E+04
COST OF THE EVACUATION (\$)	6.3536E+07	COST OF THE EVACUATION (\$)	6.4406E+06
COST PER REM AVOIDED (\$/REM)	1.4410E+02	COST PER REM AVOIDED (\$/REM)	1.8984E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.6297E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4143E+04
DOSE AVOIDED (REM)	4.1922E+05	DOSE AVOIDED (REM)	3.2159E+05
EVACUATION AREA (SQ M)	2.5115E+09	EVACUATION AREA (SQ M)	4.8017E+08
AVERAGE POPULATION DENSITY (/SQ K)	7.8073E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.2201E+01
NUMBER OF PEOPLE EVACUATED	1.9617E+05	NUMBER OF PEOPLE EVACUATED	2.5078E+04
COST OF THE EVACUATION (\$)	3.6291E+07	COST OF THE EVACUATION (\$)	4.6391E+06
COST PER REM AVOIDED (\$/REM)	8.6588E+01	COST PER REM AVOIDED (\$/REM)	1.4426E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	90.00	EVACUATION ZONE ANGLE (DEGS)	90.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0217E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	3.8262E+05	DOSE AVOIDED (REM)	2.9857E+05
EVACUATION AREA (SQ M)	1.2926E+09	EVACUATION AREA (SQ M)	3.4019E+08
AVERAGE POPULATION DENSITY (/SQ K)	6.6031E+01	AVERAGE POPULATION DENSITY (/SQ K)	4.9382E+01
NUMBER OF PEOPLE EVACUATED	8.5390E+04	NUMBER OF PEOPLE EVACUATED	1.6807E+04
COST OF THE EVACUATION (\$)	1.5797E+07	COST OF THE EVACUATION (\$)	3.1093E+06
COST PER REM AVOIDED (\$/REM)	4.1288E+01	COST PER REM AVOIDED (\$/REM)	1.0414E+01

TABLE B.51. Evacuation Results, Pasquill F, 178 Degree Evacuation Zone, SST2

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.8583E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	3.2203E+04
DOSE AVOIDED (REM)	4.8080E+05	DOSE AVOIDED (REM)	3.5340E+05
EVACUATION AREA (SQ M)	1.4505E+10	EVACUATION AREA (SQ M)	1.8253E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.4891E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.5475E+01
NUMBER OF PEOPLE EVACUATED	1.2290E+06	NUMBER OF PEOPLE EVACUATED	9.0203E+04
COST OF THE EVACUATION (\$)	2.2738E+08	COST OF THE EVACUATION (\$)	1.8688E+07
COST PER REM AVOIDED (\$/REM)	4.9340E+02	COST PER REM AVOIDED (\$/REM)	4.7221E+01

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	7.2397E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.8157E+04
DOSE AVOIDED (REM)	4.4090E+05	DOSE AVOIDED (REM)	3.3930E+05
EVACUATION AREA (SQ M)	8.1659E+09	EVACUATION AREA (SQ M)	1.2459E+09
AVERAGE POPULATION DENSITY (/SQ K)	8.3116E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.4386E+01
NUMBER OF PEOPLE EVACUATED	6.7818E+05	NUMBER OF PEOPLE EVACUATED	6.7789E+04
COST OF THE EVACUATION (\$)	1.2546E+08	COST OF THE EVACUATION (\$)	1.2541E+07
COST PER REM AVOIDED (\$/REM)	2.8455E+02	COST PER REM AVOIDED (\$/REM)	3.6961E+01

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	5.8297E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4143E+04
DOSE AVOIDED (REM)	4.1920E+05	DOSE AVOIDED (REM)	3.2180E+05
EVACUATION AREA (SQ M)	4.9374E+09	EVACUATION AREA (SQ M)	9.1988E+08
AVERAGE POPULATION DENSITY (/SQ K)	7.8328E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.2734E+01
NUMBER OF PEOPLE EVACUATED	3.8691E+05	NUMBER OF PEOPLE EVACUATED	4.8529E+04
COST OF THE EVACUATION (\$)	7.1579E+07	COST OF THE EVACUATION (\$)	8.9779E+06
COST PER REM AVOIDED (\$/REM)	1.7075E+02	COST PER REM AVOIDED (\$/REM)	2.7918E+01

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0217E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.0117E+04
DOSE AVOIDED (REM)	3.8260E+05	DOSE AVOIDED (REM)	2.9860E+05
EVACUATION AREA (SQ M)	2.5287E+09	EVACUATION AREA (SQ M)	6.4301E+08
AVERAGE POPULATION DENSITY (/SQ K)	6.8386E+01	AVERAGE POPULATION DENSITY (/SQ K)	5.0015E+01
NUMBER OF PEOPLE EVACUATED	1.6782E+05	NUMBER OF PEOPLE EVACUATED	3.2175E+04
COST OF THE EVACUATION (\$)	3.1046E+07	COST OF THE EVACUATION (\$)	5.9523E+06
COST PER REM AVOIDED (\$/REM)	8.1145E+01	COST PER REM AVOIDED (\$/REM)	1.9934E+01

TABLE B.52. Evacuation Results, Pasquill F, 70 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3677E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4148E+03
DOSE AVOIDED (REM)	2.0777E+03	DOSE AVOIDED (REM)	7.3040E+02
EVACUATION AREA (SQ M)	1.3843E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.3127E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	5.9723E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.1049E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	5.3179E+02	COST PER REM AVOIDED (\$/REM)	2.7607E+02

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6588E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	1.7193E+03	DOSE AVOIDED (REM)	7.3040E+02
EVACUATION AREA (SQ M)	8.1127E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.0058E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.2512E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	6.0147E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	3.4983E+02	COST PER REM AVOIDED (\$/REM)	2.7607E+02

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00	EVACUATION ZONE ANGLE (DEGS)	70.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4374E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	1.3236E+03	DOSE AVOIDED (REM)	7.3040E+02
EVACUATION AREA (SQ M)	4.9478E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.7425E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.8525E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	3.4271E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	2.5892E+02	COST PER REM AVOIDED (\$/REM)	2.7607E+02

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	70.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03		
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0246E+03		
DOSE AVOIDED (REM)	9.1353E+02		
EVACUATION AREA (SQ M)	3.4058E+07		
AVERAGE POPULATION DENSITY (/SQ K)	3.6197E+01		
NUMBER OF PEOPLE EVACUATED	1.2333E+03		
COST OF THE EVACUATION (\$)	2.2817E+05		
COST PER REM AVOIDED (\$/REM)	2.4977E+02		

NO CONTAMINATION OFFSITE

TABLE B.53. Evacuation Results, Pasquill F, 90 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM) 50
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.3677E+04
 DOSE AVOIDED (REM) 2.0777E+03
 EVACUATION AREA (SQ M) 1.6928E+08
 AVERAGE POPULATION DENSITY (/SQ K) . 4.3508E+01
 NUMBER OF PEOPLE EVACUATED 7.3673E+03
 COST OF THE EVACUATION (\$) 1.3629E+06
 COST PER REM AVOIDED (\$/REM) 6.5597E+02

PAG DOSE VALUE (REM) 10.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 2.4146E+03
 DOSE AVOIDED (REM) 7.3040E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 2.7607E+02

PAG DOSE VALUE (REM) 1.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 9.6586E+03
 DOSE AVOIDED (REM) 1.7193E+03
 EVACUATION AREA (SQ M) 9.5595E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 4.0452E+01
 NUMBER OF PEOPLE EVACUATED 3.8687E+03
 COST OF THE EVACUATION (\$) 7.1570E+05
 COST PER REM AVOIDED (\$/REM) 4.1827E+02

PAG DOSE VALUE (REM) 15.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6094E+03
 DOSE AVOIDED (REM) 7.3040E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 2.7607E+02

PAG DOSE VALUE (REM) 2.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 6.4374E+03
 DOSE AVOIDED (REM) 1.3236E+03
 EVACUATION AREA (SQ M) 5.4904E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.7893E+01
 NUMBER OF PEOPLE EVACUATED 2.0704E+03
 COST OF THE EVACUATION (\$) 3.8302E+05
 COST PER REM AVOIDED (\$/REM) 2.8938E+02

PAG DOSE VALUE (REM) 20.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 1.6094E+03
 DOSE AVOIDED (REM) 7.3040E+02
 EVACUATION AREA (SQ M) 3.0487E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.5735E+01
 NUMBER OF PEOPLE EVACUATED 1.0899E+03
 COST OF THE EVACUATION (\$) 2.0164E+05
 COST PER REM AVOIDED (\$/REM) 2.7607E+02

PAG DOSE VALUE (REM) 5.00
 EVACUATION COST PER PERSON (\$) 185.00
 EVACUATION ZONE ANGLE (DEGS) 90.00
 EVACUATION ZONE: CIRCLE RADIUS (M) . 3.2174E+03
 EVACUATION ZONE: TOTAL DISTANCE (M) 4.0246E+03
 DOSE AVOIDED (REM) 9.1353E+02
 EVACUATION AREA (SQ M) 3.5078E+07
 AVERAGE POPULATION DENSITY (/SQ K) . 3.6312E+01
 NUMBER OF PEOPLE EVACUATED 1.2743E+03
 COST OF THE EVACUATION (\$) 2.3574E+05
 COST PER REM AVOIDED (\$/REM) 2.5805E+02

PAG DOSE VALUE (REM) 25.00
 EVACUATION COST PER PERSON (\$) 185.00

NO CONTAMINATION OFFSITE

TABLE B.54. Evacuation Results, Pasquill F, 178 Degree Evacuation Zone, SST3

PAG DOSE VALUE (REM)	.50	PAG DOSE VALUE (REM)	10.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	1.3677E+04	EVACUATION ZONE: TOTAL DISTANCE (M)	2.4146E+03
DOSE AVOIDED (REM)	2.0780E+03	DOSE AVOIDED (REM)	7.3040E+02
EVACUATION AREA (SQ M)	3.0498E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.4266E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	1.3505E+04	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	2.4984E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	1.2023E+03	COST PER REM AVOIDED (\$/REM)	2.7607E+02

PAG DOSE VALUE (REM)	1.00	PAG DOSE VALUE (REM)	15.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	9.6566E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	1.7190E+03	DOSE AVOIDED (REM)	7.3040E+02
EVACUATION AREA (SQ M)	1.5926E+08	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	4.1336E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	6.5856E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	1.2183E+06	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	7.0873E+02	COST PER REM AVOIDED (\$/REM)	2.7607E+02

PAG DOSE VALUE (REM)	2.00	PAG DOSE VALUE (REM)	20.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00	EVACUATION ZONE ANGLE (DEGS)	178.00
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03	EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03
EVACUATION ZONE: TOTAL DISTANCE (M)	6.4374E+03	EVACUATION ZONE: TOTAL DISTANCE (M)	1.6094E+03
DOSE AVOIDED (REM)	1.3240E+03	DOSE AVOIDED (REM)	7.3040E+02
EVACUATION AREA (SQ M)	7.8778E+07	EVACUATION AREA (SQ M)	3.0487E+07
AVERAGE POPULATION DENSITY (/SQ K)	3.8434E+01	AVERAGE POPULATION DENSITY (/SQ K)	3.5735E+01
NUMBER OF PEOPLE EVACUATED	3.0290E+03	NUMBER OF PEOPLE EVACUATED	1.0899E+03
COST OF THE EVACUATION (\$)	5.6037E+05	COST OF THE EVACUATION (\$)	2.0164E+05
COST PER REM AVOIDED (\$/REM)	4.2324E+02	COST PER REM AVOIDED (\$/REM)	2.7607E+02

PAG DOSE VALUE (REM)	5.00	PAG DOSE VALUE (REM)	25.00
EVACUATION COST PER PERSON (\$)	185.00	EVACUATION COST PER PERSON (\$)	185.00
EVACUATION ZONE ANGLE (DEGS)	178.00		
EVACUATION ZONE: CIRCLE RADIUS (M)	3.2174E+03		
EVACUATION ZONE: TOTAL DISTANCE (M)	4.0248E+03		
DOSE AVOIDED (REM)	9.1350E+02		
EVACUATION AREA (SQ M)	3.9567E+07		
AVERAGE POPULATION DENSITY (/SQ K)	3.6748E+01		
NUMBER OF PEOPLE EVACUATED	1.4548E+03		
COST OF THE EVACUATION (\$)	2.6909E+05		
COST PER REM AVOIDED (\$/REM)	2.9457E+02		

NO CONTAMINATION OFFSITE

TABLE C.1. Total and Marginal Costs for Implementation of PAGs for Pasquill A.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	3.11E+09	2.15E+07	144.76			
		1	1.01E+09	1.65E+07	61.37	2.10E+09	4.98E+06	421.89
		2	1.01E+09	1.65E+07	61.37	0.00E+00	0.00E+00	0.00
		5	2.52E+08	9.96E+06	25.36	7.82E+08	6.58E+06	115.88
		10	8.95E+07	6.21E+06	14.43	1.63E+08	3.75E+06	43.45
		15	4.95E+07	4.59E+06	10.77	4.01E+07	1.61E+06	24.82
		20	2.83E+07	3.39E+06	8.33	2.12E+07	1.20E+06	17.67
		25	1.93E+07	2.75E+06	7.02	8.97E+06	6.46E+05	13.89
SST1	90	0.5	8.17E+09	2.16E+07	377.75			
		1	4.00E+09	1.90E+07	211.10	4.17E+09	2.66E+06	1565.98
		2	1.30E+09	1.40E+07	92.88	2.70E+09	4.92E+06	548.60
		5	7.33E+08	1.15E+07	63.58	5.72E+08	2.52E+06	226.92
		10	2.33E+08	7.39E+06	31.59	4.99E+08	4.13E+06	120.76
		15	9.62E+07	5.07E+06	18.98	1.37E+08	2.33E+06	59.06
		20	6.35E+07	4.23E+06	15.03	3.26E+07	8.40E+05	38.82
		25	3.63E+07	3.31E+06	10.97	2.72E+07	9.19E+05	29.66
SST1	178	0.5	7.92E+09	2.19E+07	361.23			
		1	2.58E+09	1.69E+07	152.75	5.34E+09	5.03E+06	1061.27
		2	2.58E+09	1.69E+07	152.75	0.00E+00	0.00E+00	0.00
		5	6.42E+08	1.02E+07	62.73	1.94E+09	6.66E+06	291.03
		10	2.27E+08	6.41E+06	35.46	4.14E+08	3.82E+06	108.50
		15	1.25E+08	4.78E+06	26.36	1.02E+08	1.65E+06	61.68
		20	7.16E+07	3.53E+06	20.28	5.39E+07	1.23E+06	43.81
		25	4.88E+07	2.86E+06	17.02	2.28E+07	6.65E+05	34.32
SST2	70	0.5	2.83E+07	8.97E+04	315.18			
		1	6.68E+06	4.08E+04	164.48	2.16E+07	4.91E+04	440.05
		2	1.49E+06	1.73E+04	86.05	5.19E+06	2.33E+04	222.89
		5	2.99E+05	5.22E+03	57.23	1.19E+06	1.21E+04	98.44
		10	2.02E+05	2.78E+03	72.59	9.70E+04	2.44E+03	39.74
		15	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		20	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		25	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
SST2	90	0.5	3.63E+07	9.29E+04	390.57			
		1	8.54E+06	4.24E+04	201.30	2.78E+07	5.05E+04	549.51
		2	1.86E+06	1.82E+04	102.26	6.68E+06	2.42E+04	275.78
		5	3.26E+05	5.41E+03	60.34	1.54E+06	1.28E+04	119.97
		10	2.02E+05	2.78E+03	72.59	1.25E+05	2.63E+03	47.41
		15	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		20	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
		25	2.02E+05	2.78E+03	72.59	0.00E+00	0.00E+00	0.00
SST2	178	0.5	7.16E+07	9.33E+04	767.19			
		1	1.67E+07	4.27E+04	391.09	5.49E+07	5.06E+04	1084.16
		2	3.48E+06	1.84E+04	189.80	1.32E+07	2.43E+04	543.12
		5	4.48E+05	5.46E+03	82.18	3.04E+06	1.29E+04	235.29
		10	2.02E+05	2.78E+03	72.57	2.47E+05	2.68E+03	92.15
		15	2.02E+05	2.78E+03	72.57	0.00E+00	0.00E+00	0.00
		20	2.02E+05	2.78E+03	72.57	0.00E+00	0.00E+00	0.00
		25	2.02E+05	2.78E+03	72.57	0.00E+00	0.00E+00	0.00

TABLE C.2. Total and Marginal Costs for Implementation of PAGs for Pasquill B.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	3.11E+09	2.03E+07	153.66			
		1	3.11E+09	2.03E+07	153.66	0.00E+00	0.00E+00	0.00
		2	1.01E+09	1.52E+07	66.65	2.10E+09	5.04E+06	416.45
		5	2.52E+08	9.09E+06	27.77	7.62E+08	6.13E+06	124.26
		10	1.22E+08	6.62E+06	18.51	1.30E+08	2.48E+06	52.53
		15	6.15E+07	4.77E+06	12.89	6.09E+07	1.84E+06	33.06
		20	3.88E+07	3.79E+06	10.23	2.28E+07	9.84E+05	23.14
		25	1.93E+07	2.66E+06	7.27	1.95E+07	1.13E+06	17.18
SST1	90	0.5	4.00E+09	2.03E+07	197.12			
		1	4.00E+09	2.03E+07	197.12	0.00E+00	0.00E+00	0.00
		2	1.30E+09	1.53E+07	85.45	2.70E+09	5.04E+06	535.11
		5	3.25E+08	9.13E+06	35.56	9.80E+08	6.14E+06	159.63
		10	1.57E+08	6.65E+06	23.67	1.67E+08	2.48E+06	87.43
		15	7.91E+07	4.80E+06	16.47	7.83E+07	1.85E+06	42.41
		20	4.98E+07	3.82E+06	13.05	2.93E+07	9.87E+05	29.67
		25	2.48E+07	2.68E+06	9.25	2.50E+07	1.14E+06	22.01
SST1	178	0.5	7.92E+09	2.03E+07	389.87			
		1	7.92E+09	2.03E+07	389.87	0.00E+00	0.00E+00	0.00
		2	2.58E+09	1.53E+07	168.96	5.34E+09	5.04E+06	1059.17
		5	6.42E+08	9.13E+06	70.30	1.94E+09	6.14E+06	315.63
		10	3.11E+08	6.65E+06	46.79	3.31E+08	2.48E+06	133.32
		15	1.56E+08	4.80E+06	32.52	1.55E+08	1.85E+06	83.91
		20	9.83E+07	3.82E+06	25.76	5.79E+07	9.87E+05	58.67
		25	4.88E+07	2.68E+06	18.21	4.95E+07	1.14E+06	43.52
SST2	70	0.5	3.88E+07	1.01E+05	385.43			
		1	6.68E+06	4.24E+04	157.79	3.21E+07	5.82E+04	551.05
		2	1.49E+06	2.17E+04	68.76	5.19E+06	2.07E+04	251.33
		5	3.43E+05	1.15E+04	29.70	1.15E+06	1.02E+04	113.11
		10	2.28E+05	8.61E+03	26.51	1.15E+05	2.94E+03	39.02
		15	2.02E+05	7.30E+03	27.62	2.65E+04	1.30E+03	20.33
		20	2.02E+05	7.30E+03	27.62	0.00E+00	0.00E+00	0.00
		25	2.02E+05	7.30E+03	27.62	0.00E+00	0.00E+00	0.00
SST2	90	0.5	4.98E+07	1.01E+05	491.66			
		1	8.54E+06	4.28E+04	199.46	4.13E+07	5.85E+04	705.53
		2	1.86E+06	2.20E+04	84.67	6.68E+06	2.08E+04	320.70
		5	3.83E+05	1.17E+04	32.81	1.48E+06	1.03E+04	143.37
		10	2.36E+05	8.66E+03	27.24	1.47E+05	3.02E+03	48.61
		15	2.02E+05	7.30E+03	27.62	3.41E+04	1.35E+03	25.18
		20	2.02E+05	7.30E+03	27.62	0.00E+00	0.00E+00	0.00
		25	2.02E+05	7.30E+03	27.62	0.00E+00	0.00E+00	0.00
SST2	178	0.5	9.83E+07	1.01E+05	970.25			
		1	1.67E+07	4.28E+04	389.63	8.16E+07	5.85E+04	1395.55
		2	3.48E+06	2.20E+04	158.32	1.32E+07	2.08E+04	634.16
		5	5.60E+05	1.17E+04	47.94	2.92E+06	1.03E+04	283.37
		10	2.69E+05	8.66E+03	31.07	2.91E+05	3.03E+03	96.16
		15	2.02E+05	7.30E+03	27.62	6.74E+04	1.36E+03	49.59
		20	2.02E+05	7.30E+03	27.62	0.00E+00	0.00E+00	0.00
		25	2.02E+05	7.30E+03	27.62	0.00E+00	0.00E+00	0.00
SST3	70	0.5	2.02E+05	6.43E+01	3136.40			
SST3	90	0.5	2.02E+05	6.43E+01	3136.40			
SST3	178	0.5	2.02E+05	6.43E+01	3136.50			

TABLE C.3. Total and Marginal Costs for Implementation of PAGs for Pasquill C.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	6.35E+09	2.16E+07	293.86			
		1	3.11E+09	1.90E+07	164.22	3.24E+09	2.66E+06	1218.01
		2	1.01E+09	1.40E+07	72.26	2.10E+09	4.92E+06	426.77
		5	5.70E+08	1.15E+07	49.47	4.45E+08	2.52E+06	176.48
		10	1.82E+08	7.39E+06	24.59	3.88E+08	4.14E+06	93.92
		15	7.48E+07	5.06E+06	14.78	1.07E+08	2.32E+06	45.93
		20	4.95E+07	4.22E+06	11.71	2.54E+07	8.40E+05	30.20
		25	2.83E+07	3.30E+06	8.56	2.12E+07	9.18E+05	23.07
SST1	90	0.5	8.17E+09	2.16E+07	377.75			
		1	4.00E+09	1.90E+07	211.10	4.17E+09	2.66E+06	1565.98
		2	1.30E+09	1.40E+07	92.88	2.70E+09	4.92E+06	548.60
		5	7.33E+08	1.15E+07	63.58	5.72E+08	2.52E+06	226.92
		10	2.33E+08	7.39E+06	31.59	4.99E+08	4.13E+06	120.76
		15	9.62E+07	5.07E+06	18.98	1.37E+08	2.33E+06	59.06
		20	6.35E+07	4.23E+06	15.03	3.26E+07	8.40E+05	38.82
		25	3.63E+07	3.31E+06	10.97	2.72E+07	9.19E+05	29.66
SST1	178	0.5	1.62E+10	2.16E+07	746.97			
		1	7.92E+09	1.90E+07	417.41	8.24E+09	2.66E+06	3097.29
		2	2.58E+09	1.41E+07	183.63	5.34E+09	4.92E+06	1085.00
		5	1.45E+09	1.15E+07	125.68	1.13E+09	2.52E+06	448.77
		10	4.62E+08	7.39E+06	62.44	9.88E+08	4.14E+06	238.65
		15	1.90E+08	5.07E+06	37.50	2.72E+08	2.33E+06	116.80
		20	1.25E+08	4.23E+06	29.69	6.45E+07	8.41E+05	76.73
		25	7.16E+07	3.31E+06	21.64	5.39E+07	9.18E+05	58.69
SST2	70	0.5	4.95E+07	1.13E+05	439.19			
		1	1.23E+07	6.31E+04	195.33	3.71E+07	4.95E+04	750.24
		2	2.48E+06	3.73E+04	66.03	9.87E+06	2.58E+04	382.08
		5	7.82E+05	2.71E+04	28.83	1.68E+06	1.02E+04	165.07
		10	3.93E+05	2.10E+04	18.73	3.89E+05	6.16E+03	63.31
		15	2.99E+05	1.80E+04	16.58	9.41E+04	2.98E+03	31.78
		20	2.60E+05	1.62E+04	16.05	3.82E+04	1.79E+03	21.39
		25	2.28E+05	1.41E+04	16.13	3.22E+04	2.07E+03	15.55
SST2	90	0.5	6.35E+07	1.13E+05	563.66			
		1	1.58E+07	6.32E+04	249.91	4.77E+07	4.95E+04	964.27
		2	3.11E+06	3.74E+04	83.19	1.27E+07	2.58E+04	491.07
		5	9.48E+05	2.72E+04	34.87	2.16E+06	1.02E+04	212.03
		10	4.47E+05	2.10E+04	21.28	5.00E+05	6.16E+03	81.21
		15	3.26E+05	1.80E+04	18.08	1.21E+05	2.97E+03	40.71
		20	2.77E+05	1.63E+04	17.06	4.91E+04	1.79E+03	27.39
		25	2.36E+05	1.42E+04	16.64	4.16E+04	2.09E+03	19.88
SST2	178	0.5	1.25E+08	1.13E+05	1113.20			
		1	3.10E+07	6.32E+04	491.16	9.44E+07	4.95E+04	1907.74
		2	5.95E+06	3.74E+04	159.24	2.51E+07	2.58E+04	971.49
		5	1.68E+06	2.72E+04	61.70	4.28E+06	1.02E+04	419.14
		10	6.87E+05	2.10E+04	32.71	9.90E+05	6.16E+03	160.65
		15	4.48E+05	1.81E+04	24.84	2.39E+05	2.97E+03	80.54
		20	3.51E+05	1.63E+04	21.61	9.72E+04	1.80E+03	53.99
		25	2.69E+05	1.42E+04	18.98	8.20E+04	2.07E+03	39.61
SST3	70	0.5	2.02E+05	1.02E+02	1973.00			
		1	2.02E+05	1.02E+02	1973.00	0.00E+00	0.00E+00	0.00
SST3	90	0.5	2.02E+05	1.02E+02	1973.00			
		1	2.02E+05	1.02E+02	1973.00	0.00E+00	0.00E+00	0.00
SST3	178	0.5	2.02E+05	1.02E+02	1974.00			
		1	2.02E+05	1.02E+02	1974.00	0.00E+00	0.00E+00	0.00

TABLE C.4. Total and Marginal Costs for Implementation of PAGs for Pasquill D.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	3.11E+09	1.99E+07	156.55			
		1	3.11E+09	1.99E+07	156.55	0.00E+00	0.00E+00	0.00
		2	1.01E+09	1.68E+07	60.42	2.10E+09	3.10E+06	877.85
		5	2.52E+08	1.32E+07	19.08	7.62E+08	3.58E+06	214.17
		10	1.82E+08	1.24E+07	14.60	7.09E+07	7.97E+05	88.90
		15	1.22E+08	1.15E+07	10.69	5.92E+07	9.85E+05	60.07
		20	8.95E+07	1.07E+07	8.41	3.29E+07	8.01E+05	41.11
		25	7.48E+07	1.02E+07	7.35	1.47E+07	4.63E+05	31.74
SST1	90	0.5	4.00E+09	1.99E+07	201.28			
		1	4.00E+09	1.99E+07	201.28	0.00E+00	0.00E+00	0.00
		2	1.30E+09	1.68E+07	77.68	2.70E+09	3.10E+06	871.52
		5	3.25E+08	1.32E+07	24.52	9.80E+08	3.58E+06	275.37
		10	2.33E+08	1.24E+07	18.77	9.11E+07	7.97E+05	114.29
		15	1.57E+08	1.15E+07	13.74	7.61E+07	9.84E+05	77.32
		20	1.15E+08	1.07E+07	10.80	4.23E+07	8.02E+05	52.78
		25	9.62E+07	1.02E+07	9.44	1.89E+07	4.63E+05	40.81
SST1	178	0.5	7.92E+09	1.99E+07	398.10			
		1	7.92E+09	1.99E+07	398.10	0.00E+00	0.00E+00	0.00
		2	2.58E+09	1.68E+07	153.66	5.34E+09	3.10E+06	1722.00
		5	6.42E+08	1.32E+07	48.47	1.94E+09	3.55E+06	545.99
		10	4.62E+08	1.24E+07	37.10	1.80E+08	8.00E+05	225.20
		15	3.11E+08	1.15E+07	27.17	1.50E+08	9.90E+05	151.99
		20	2.27E+08	1.07E+07	21.35	8.37E+07	8.00E+05	104.66
		25	1.90E+08	1.02E+07	18.65	3.74E+07	4.60E+05	81.24
SST2	70	0.5	8.95E+07	2.90E+05	309.09			
		1	4.95E+07	2.49E+05	198.95	4.01E+07	4.11E+04	978.15
		2	1.93E+07	1.89E+05	101.86	3.02E+07	5.92E+04	509.80
		5	5.05E+06	1.27E+05	39.75	1.42E+07	6.23E+04	228.65
		10	2.48E+06	1.01E+05	24.31	2.59E+06	2.58E+04	100.31
		15	1.10E+06	7.68E+04	14.39	1.36E+06	2.45E+04	55.37
		20	7.82E+05	6.70E+04	11.67	3.23E+05	9.82E+03	32.90
		25	6.01E+05	5.96E+04	10.08	1.80E+05	7.34E+03	24.59
SST2	90	0.5	1.15E+08	2.90E+05	397.21			
		1	6.35E+07	2.49E+05	255.55	5.15E+07	4.11E+04	1255.15
		2	2.48E+07	1.89E+05	130.65	3.88E+07	5.92E+04	655.58
		5	6.44E+06	1.27E+05	50.65	1.83E+07	6.23E+04	293.99
		10	3.11E+06	1.01E+05	30.69	3.33E+06	2.58E+04	128.92
		15	1.36E+06	7.68E+04	17.75	1.75E+06	2.45E+04	71.21
		20	9.48E+05	6.70E+04	14.15	4.15E+05	9.82E+03	42.29
		25	7.16E+05	5.96E+04	12.00	2.32E+05	7.34E+03	31.61
SST2	178	0.5	2.27E+08	2.90E+05	784.81			
		1	1.25E+08	2.49E+05	504.67	1.02E+08	4.11E+04	2479.32
		2	4.88E+07	1.90E+05	257.30	7.67E+07	5.91E+04	1297.83
		5	1.25E+07	1.27E+05	98.59	3.62E+07	6.23E+04	581.33
		10	5.95E+06	1.01E+05	58.76	6.59E+06	2.59E+04	254.39
		15	2.50E+06	7.68E+04	32.53	3.45E+06	2.45E+04	140.98
		20	1.68E+06	6.70E+04	25.04	8.21E+05	9.81E+03	83.72
		25	1.22E+06	5.97E+04	20.42	4.59E+05	7.34E+03	62.51
SST3	70	0.5	2.60E+05	2.96E+02	880.98			
		1	2.02E+05	1.98E+02	1020.40	5.88E+04	9.80E+01	599.76
		2	2.02E+05	1.98E+02	1020.40	0.00E+00	0.00E+00	0.00
SST3	90	0.5	2.77E+05	2.96E+02	937.28			
		1	2.02E+05	1.98E+02	1020.40	7.58E+04	9.82E+01	769.87
		2	2.02E+05	1.98E+02	1020.40	0.00E+00	0.00E+00	0.00
SST3	178	0.5	3.51E+05	2.96E+02	1186.90			
		1	2.02E+05	1.98E+02	1020.40	1.49E+05	9.82E+01	1521.89
		2	2.02E+05	1.98E+02	1020.40	0.00E+00	0.00E+00	0.00

TABLE C.5. Total and Marginal Costs for Implementation of PAGs for Pasquill E.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	1.01E+09	2.26E+07	44.84			
		1	1.01E+09	2.26E+07	44.84	0.00E+00	0.00E+00	0.00
		2	5.70E+08	2.21E+07	25.75	4.45E+08	4.98E+05	898.61
		5	2.52E+08	2.09E+07	12.08	3.18E+08	1.23E+08	258.13
		10	2.52E+08	2.09E+07	12.08	0.00E+00	0.00E+00	0.00
		15	1.82E+08	2.02E+07	9.01	7.09E+07	7.49E+05	94.59
		20	1.22E+08	1.91E+07	6.40	5.92E+07	1.03E+06	57.22
		25	1.22E+08	1.91E+07	6.40	0.00E+00	0.00E+00	0.00
SST1	90	0.5	1.30E+09	2.26E+07	57.65			
		1	1.30E+09	2.26E+07	57.65	0.00E+00	0.00E+00	0.00
		2	7.33E+08	2.21E+07	33.11	5.72E+08	4.98E+05	1152.88
		5	3.25E+08	2.09E+07	15.53	4.08E+08	1.23E+08	331.88
		10	3.25E+08	2.09E+07	15.53	0.00E+00	0.00E+00	0.00
		15	2.33E+08	2.02E+07	11.58	9.11E+07	7.49E+05	121.62
		20	1.57E+08	1.91E+07	8.23	7.61E+07	1.03E+06	73.58
		25	1.57E+08	1.91E+07	8.23	0.00E+00	0.00E+00	0.00
SST1	178	0.5	2.58E+09	2.26E+07	114.01			
		1	2.58E+09	2.26E+07	114.01	0.00E+00	0.00E+00	0.00
		2	1.45E+09	2.21E+07	65.48	1.13E+09	5.00E+05	2261.80
		5	6.42E+08	2.09E+07	30.70	8.07E+08	1.23E+08	658.41
		10	6.42E+08	2.09E+07	30.70	0.00E+00	0.00E+00	0.00
		15	4.62E+08	2.02E+07	22.91	1.80E+08	7.50E+05	240.21
		20	3.11E+08	1.91E+07	16.27	1.50E+08	1.03E+06	148.09
		25	3.11E+08	1.91E+07	16.27	0.00E+00	0.00E+00	0.00
SST2	70	0.5	1.82E+08	5.63E+05	322.49			
		1	8.95E+07	5.05E+05	177.43	9.21E+07	5.86E+04	1571.35
		2	4.95E+07	4.48E+05	110.52	4.01E+07	5.71E+04	702.26
		5	1.93E+07	3.54E+05	54.54	3.02E+07	9.38E+04	321.76
		10	6.68E+06	2.64E+05	25.35	1.26E+07	9.01E+04	140.04
		15	3.65E+06	2.21E+05	16.55	3.03E+06	4.30E+04	70.53
		20	2.48E+06	1.95E+05	12.66	1.19E+06	2.62E+04	45.47
		25	2.48E+06	1.95E+05	12.66	0.00E+00	0.00E+00	0.00
SST2	90	0.5	2.33E+08	5.63E+05	414.53			
		1	1.16E+08	5.05E+05	228.02	1.18E+08	5.86E+04	2020.30
		2	6.35E+07	4.48E+05	141.97	5.15E+07	5.71E+04	902.98
		5	2.48E+07	3.54E+05	69.97	3.88E+07	9.38E+04	413.69
		10	8.54E+06	2.64E+05	32.37	1.62E+07	9.01E+04	180.06
		15	4.64E+06	2.21E+05	21.02	3.90E+06	4.30E+04	90.67
		20	3.11E+06	1.95E+05	15.98	1.53E+06	2.62E+04	58.46
		25	3.11E+06	1.95E+05	15.98	0.00E+00	0.00E+00	0.00
SST2	178	0.5	4.62E+08	5.63E+05	819.53			
		1	2.27E+08	5.05E+05	450.57	2.34E+08	5.86E+04	3996.59
		2	1.25E+08	4.48E+05	280.36	1.02E+08	5.71E+04	1784.59
		5	4.88E+07	3.54E+05	137.81	7.67E+07	9.37E+04	818.59
		10	1.67E+07	2.64E+05	63.28	3.21E+07	9.01E+04	355.94
		15	8.98E+06	2.21E+05	40.68	7.71E+06	4.30E+04	179.30
		20	5.95E+06	1.95E+05	30.59	3.03E+06	2.61E+04	115.92
		25	5.95E+06	1.95E+05	30.59	0.00E+00	0.00E+00	0.00

Table C.5. (Continued)

SST3	70	0.5	6.01E+05	9.89E+02	808.18				
		1	3.43E+05	7.18E+02	477.50	2.59E+05	2.71E+02	953.99	
		2	2.28E+05	4.72E+02	483.08	1.15E+05	2.45E+02	488.75	
		5	2.02E+05	3.71E+02	543.50	2.65E+04	1.01E+02	281.84	
SST3	90	0.5	7.16E+05	9.89E+02	723.68				
		1	3.83E+05	7.18E+02	533.66	3.33E+05	2.71E+02	1228.47	
		2	2.36E+05	4.72E+02	499.10	1.47E+05	2.45E+02	600.19	
		5	2.02E+05	3.71E+02	543.50	3.41E+04	1.01E+02	338.52	
SST3	178	0.5	1.22E+06	9.89E+02	1231.90				
		1	5.60E+05	7.18E+02	780.79	6.58E+05	2.71E+02	2425.10	
		2	2.69E+05	4.72E+02	569.74	2.91E+05	2.45E+02	1186.98	
		5	2.02E+05	3.71E+02	543.50	6.74E+04	1.01E+02	665.84	

TABLE C.6. Total and Marginal Costs for Implementation of PAGs for Pasquill F.

SITING SOURCE TERM	EVAC. WEDGE ANGLE	PAG (rem)	EVAC. COST (\$)	DOSE AVOIDED (rem)	COST/ DOSE AVOIDED (\$/rem)	ADDED COST (\$)	ADDED DOSE AVOIDED (rem)	ADDED COST/DOSE AVOIDED (\$/rem)
SST1	70	0.5	1.82E+08	1.29E+07	14.13			
		1	1.22E+08	1.28E+07	9.55	5.92E+07	2.50E+04	2368.80
		2	8.95E+07	1.28E+07	7.00	3.29E+07	3.00E+04	1097.57
		5	6.15E+07	1.27E+07	4.83	2.80E+07	5.80E+04	482.55
		10	3.88E+07	1.26E+07	3.07	2.28E+07	1.21E+05	188.19
		15	3.88E+07	1.26E+07	3.07	0.00E+00	0.00E+00	0.00
		20	2.83E+07	1.25E+07	2.26	1.05E+07	1.28E+05	83.36
		25	2.83E+07	1.25E+07	2.26	0.00E+00	0.00E+00	0.00
SST1	90	0.5	2.33E+08	1.29E+07	18.17			
		1	1.57E+08	1.28E+07	12.27	7.61E+07	2.50E+04	3043.20
		2	1.15E+08	1.28E+07	8.99	4.23E+07	3.00E+04	1411.00
		5	7.91E+07	1.27E+07	6.21	3.60E+07	5.80E+04	620.48
		10	4.98E+07	1.26E+07	3.95	2.93E+07	1.21E+05	241.96
		15	4.98E+07	1.26E+07	3.95	0.00E+00	0.00E+00	0.00
		20	3.63E+07	1.25E+07	2.91	1.35E+07	1.28E+05	107.17
		25	3.63E+07	1.25E+07	2.91	0.00E+00	0.00E+00	0.00
SST1	178	0.5	4.62E+08	1.29E+07	35.92			
		1	3.11E+08	1.28E+07	24.25	1.50E+08	2.00E+04	7523.50
		2	2.27E+08	1.28E+07	17.76	8.37E+07	3.00E+04	2791.00
		5	1.58E+08	1.27E+07	12.28	7.12E+07	6.00E+04	1188.17
		10	9.83E+07	1.26E+07	7.79	5.79E+07	1.20E+05	482.53
		15	9.83E+07	1.26E+07	7.79	0.00E+00	0.00E+00	0.00
		20	7.16E+07	1.25E+07	5.73	2.67E+07	1.30E+05	205.44
		25	7.16E+07	1.25E+07	5.73	0.00E+00	0.00E+00	0.00
SST2	70	0.5	8.95E+07	4.61E+05	194.32			
		1	4.95E+07	4.41E+05	112.18	4.01E+07	1.98E+04	2018.89
		2	2.83E+07	4.19E+05	67.44	2.12E+07	2.17E+04	978.99
		5	1.23E+07	3.83E+05	32.23	1.59E+07	3.68E+04	435.52
		10	6.68E+06	3.53E+05	18.92	5.65E+06	2.93E+04	192.90
		15	5.05E+06	3.39E+05	14.90	1.63E+06	1.41E+04	115.82
		20	3.65E+06	3.22E+05	11.36	1.40E+06	1.77E+04	79.25
		25	2.46E+06	2.99E+05	8.25	1.19E+06	2.30E+04	51.69
SST2	90	0.5	1.15E+08	4.61E+05	249.72			
		1	6.35E+07	4.41E+05	144.10	5.15E+07	1.98E+04	2595.67
		2	3.63E+07	4.19E+05	86.57	2.72E+07	2.17E+04	1256.11
		5	1.58E+07	3.83E+05	41.29	2.05E+07	3.68E+04	559.95
		10	8.54E+06	3.53E+05	24.18	7.28E+06	2.93E+04	248.03
		15	6.44E+06	3.39E+05	18.98	2.10E+06	1.41E+04	148.91
		20	4.64E+06	3.22E+05	14.43	1.80E+06	1.77E+04	101.89
		25	3.11E+06	2.99E+05	10.41	1.53E+06	2.30E+04	66.46
SST2	178	0.5	2.27E+08	4.61E+05	493.40			
		1	1.25E+08	4.41E+05	284.55	1.02E+08	1.99E+04	5120.60
		2	7.16E+07	4.19E+05	170.75	5.39E+07	2.17E+04	2483.00
		5	3.10E+07	3.83E+05	81.15	4.05E+07	3.68E+04	1107.46
		10	1.67E+07	3.53E+05	47.22	1.44E+07	2.92E+04	491.71
		15	1.25E+07	3.39E+05	36.96	4.15E+06	1.41E+04	294.11
		20	8.98E+06	3.22E+05	27.92	3.58E+06	1.77E+04	201.31
		25	5.95E+06	2.99E+05	19.93	3.03E+06	2.30E+04	131.55

TABLE C.6. (Continued)

SST3	70	0.5	1.10E+06	2.08E+03	531.79			
		1	6.01E+05	1.72E+03	349.83	5.03E+05	3.58E+02	1404.66
		2	3.43E+05	1.32E+03	258.92	2.59E+05	3.96E+02	653.93
		5	2.28E+05	9.14E+02	249.77	1.15E+05	4.10E+02	279.32
		10	2.02E+05	7.30E+02	276.07	2.65E+04	1.83E+02	144.87
		15	2.02E+05	7.30E+02	276.07	0.00E+00	0.00E+00	0.00
		20	2.02E+05	7.30E+02	276.07	0.00E+00	0.00E+00	0.00
SST3	90	0.5	1.36E+06	2.08E+03	655.97			
		1	7.16E+05	1.72E+03	418.27	6.47E+05	3.58E+02	1805.80
		2	3.83E+05	1.32E+03	289.38	3.33E+05	3.96E+02	840.74
		5	2.36E+05	9.14E+02	258.05	1.47E+05	4.10E+02	359.16
		10	2.02E+05	7.30E+02	276.07	3.41E+04	1.83E+02	186.21
		15	2.02E+05	7.30E+02	276.07	0.00E+00	0.00E+00	0.00
		20	2.02E+05	7.30E+02	276.07	0.00E+00	0.00E+00	0.00
SST3	178	0.5	2.50E+06	2.08E+03	1202.30			
		1	1.22E+06	1.72E+03	708.73	1.28E+06	3.59E+02	3565.74
		2	5.60E+05	1.32E+03	423.24	6.58E+05	3.96E+02	1685.65
		5	2.69E+05	9.14E+02	294.57	2.91E+05	4.11E+02	709.57
		10	2.02E+05	7.30E+02	276.07	6.74E+04	1.83E+02	368.38
		15	2.02E+05	7.30E+02	276.07	0.00E+00	0.00E+00	0.00
		20	2.02E+05	7.30E+02	276.07	0.00E+00	0.00E+00	0.00