

APPENDIX H

EFFECTIVENESS OF CONTROLS FOR DAYS DOMINATED BY WOOD BURNING

- ADOPTED ORDINANCE -

TABLE H-1

CASE A - WOOD SMOKE DOMINATED DAY

SUMMARY OF AMBIENT PM-10 CONTRIBUTIONS

Assume NAAQS Not Attained by January 1, 1993

PRIMARY CONTROL STRATEGY

Mandatory Burning Curtailment Program
(With an Exemption for Certified Wood Stoves)

	Ambient PM-10 Contribution ($\mu\text{g}/\text{m}^3$)					
	1990	1991	1993	1995	2000	2005
Wood Burning	97.8	102.5	103.9	105.9	110.9	115.8
Traffic	3.3	3.4	3.7	4.0	4.6	5.3
Background	5.0	5.0	5.0	5.0	5.0	5.0
	106.1	110.9	112.6	114.9	120.5	126.1

Mandatory Burning Curtailment Program
(No Exemption for Certified Wood Stoves)

	Ambient PM-10 Contribution ($\mu\text{g}/\text{m}^3$)					
	1990	1991	1993	1995	2000	2005
Wood Burning	97.5	101.0	94.2	89.1	77.0	64.4
Traffic	3.3	3.4	3.7	4.0	4.6	5.3
Background	5.0	5.0	5.0	5.0	5.0	5.0
	105.8	109.4	102.9	98.1	86.6	74.7

Without the Mandatory Burning Curtailment Program

	Ambient PM-10 Contribution ($\mu\text{g}/\text{m}^3$)					
	1990	1991	1993	1995	2000	2005
All Wood Burning	195.0	202.0	188.4	178.3	153.9	128.8
Traffic	3.3	3.4	3.7	4.0	4.6	5.3
Background	5.0	5.0	5.0	5.0	5.0	5.0
	203.3	210.4	197.1	187.3	163.5	139.1

TABLE H-2

CASE A - WOOD SMOKE DOMINATED DAY

SUMMARY OF AMBIENT PM-10 CONTRIBUTIONS
Assume NAAQS attained by January 1, 1993

SECONDARY CONTROL STRATEGY

Mandatory Burning Curtailment Program
(With an Exemption for Certified Wood Stoves)

	Ambient PM-10 Contribution ($\mu\text{g}/\text{m}^3$)					
	1990	1991	1993	1995	2000	2005
Wood Burning	98.0	102.5	103.9	97.0	105.9	114.6
Traffic	3.3	3.4	3.7	4.0	4.6	5.3
Background	5.0	5.0	5.0	5.0	5.0	5.0
	106.3	110.9	112.6	106.0	115.5	124.9

Mandatory Burning Curtailment Program
(No Exemption for Certified wood stoves)

	Ambient PM-10 Contribution ($\mu\text{g}/\text{m}^3$)					
	1990	1991	1993	1995	2000	2005
All Wood Burning	97.5	101.0	94.2	48.6	62.9	67.3
Traffic	3.3	3.4	3.7	4.0	4.6	5.3
Background	5.0	5.0	5.0	5.0	5.0	5.0
	105.8	109.4	102.9	57.6	72.5	77.6

Without the Mandatory Burning Curtailment Program

	Ambient PM-10 Contribution ($\mu\text{g}/\text{m}^3$)					
	1990	1991	1993	1995	2000	2005
All Wood Burning	195.0	202.0	188.4	97.0	105.9	114.6
Traffic	3.3	3.4	3.7	4.0	4.6	5.3
Background	5.0	5.0	5.0	5.0	5.0	5.0
	203.3	210.4	197.1	106.0	115.5	124.9