

LANE REGIONAL AIR POLLUTION AUTHORITY

ANNUAL DATA REPORT

1970

Lane Regional Air Pollution Authority
Route 1, Box 739
Eugene, Oregon 97402

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LANE REGIONAL AIR POLLUTION AUTHORITY

Field Sampling Network

December 1970

Particle Fallout Stations: 23 Operational Sites
Settled Particulate Measurement

Eugene (4) - City Hall
6th & Garfield
50 N. Danebo
Willamette High School
Rural (4) - LRAPA Building, Airport
Hayes Road
Wilkins Road
Lane BPA Substation
Springfield (6) - City Library
City Shops
Water Treatment Plant
3400 "N" Street
Yolando Elementary School
Fire Station #2, 47th & Main
Rural (2) - Fire Station, Thurston Walterville
Mohawk Elementary School

Cottage Grove (2) - City Hall
1133 East Main

Oakridge (1) - Fire Station

Lowell (1) - PNB Building

Junction City (1) - City Library

Veneta (1) - Western Lane Fire Protection Assoc.

Florence (1) - City Shops

Hi Volume Stations: 5 Operational Sites
Suspended Particulate Measurement

Eugene (1) - City Hall
Rural (1) - LRAPA Building, Airport

Springfield (2) - City Library
City Shops

Junction City (1) - City Library

Continuous Air Monitoring Stations: 2 Operational Sites
Continuous Particulate, Carbon Monoxide,
Hydrocarbon Measurements

Eugene City Hall
LRAPA Bldg., Airport

Intermittent Mobile Stations: 4 Operational Sites
Grab Carbon Monoxide and Hydrocarbon Measurements

Eugene (2) - Lane Co. Courthouse
Willamette near 11th

Springfield (2) - Fire Station
Main near 6th

Weather Stations: 3 Operational Sites
Wind Speed, Direction & Temperature Measurements

Eugene - Skinners Butte
Coburg Hills - KEZI TV Transmitter
N of Coburg - Natural Gas Substation

Field Effect Stations: 10 Operational Sites
Material and Metal Deterioration Measurements

Eugene (1) - City Hall
Rural (2) - LRAPA Building, Airport
Lane BPA Substation

Springfield (1) - 3400 "N" Street
Rural (1) - Fire Station, Thurston Walterville

Cottage Grove (1) - City Hall

Oakridge (1) - Fire Station

Junction City (1) - High School

Veneta (1) - Western Lane Fire Protection Assoc.

Florence (1) - City Shops

PARTICLE FALLOUT STATIONS

Field Sampling Method: Dustfall Bucket
1970

City	Field Station Area	Field Station Site	Primary Purpose	Station No.
Eugene	Residential/Commercial	City Hall	Surveillance	20-18-32
	Residential/Commercial	Willamette High School	Surveillance	20-18-35
	Industrial	6th & Garfield	Surveillance	20-18-29
	Industrial	50 N. Danebo Ave.	Enforcement	20-18-31
	Rural	Wilkins Road, Route 2	Surveillance	20-00-05
	Rural	IRAPA Bldg., Airport	Surveillance	20-00-33
	Rural	Lane BPA Subst., Neilson	Surveillance	20-00-34
Springfield	Residential/Commercial	Yolanda Elem. School	Surveillance	20-33-15
	Residential/Commercial	Fire Station No. 2	Surveillance	20-33-20
	Residential/Commercial	Treatment Plant	Surveillance	20-33-36
	Residential/Commercial	City Library	Surveillance	20-33-37
	Industrial	3400 N. Street	Surveillance	20-33-32
	Industrial	City Shops	Enforcement	20-33-35
	Rural	Rural F.D., McKenzie Hwy	Surveillance	20-00-07
	Rural	Mohawk Elem. School Rt. 1	Surveillance	20-00-21
Cottage Grove	Residential/Commercial	Fire Department	Surveillance	20-09-01
	Residential/Commercial	1133 E. Main St.	Enforcement	20-09-16
Oakridge	Residential/Commercial	Fire Department	Surveillance	20-30-01
Lowell	Residential/Commercial	Pacific Northwest Bell	Surveillance	20-27-01
Junction City	Residential/Commercial	High School	Surveillance	20-24-01
	Residential/Commercial	City Library	Surveillance	20-24-04
	Rural	Hayes Road	Surveillance	20-00-04
Veneta	Residential/Commercial	Western Lane Forest Protection Dist.	Surveillance	20-36-01
Florence	Residential/Commercial	City Shops	Surveillance	20-21-13

PARTICLE FALLOUT
(by stations)
1970

City	Field Station No.	No. Sampling Months	Particle Fallout (grams/square meter/month)												Arith. Mean	
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Min.
Eugene	20-18-32	12	3	4	2	2	2	4	3	4	5	3	3	2	5	3
	20-18-35	6	-	-	-	-	3	2	4	4	4	3	2	2	4	3
	20-18-29	12	5	8	10	7	5	4	4	5	5	5	6	4	10	5
	20-18-31	12	14	21	29	34	26	31	26	21	19	17	9	9	34	21
	20-00-05	8	0.2	-	0.1	-	-	1	1	5	3	2	1	0.1	5	2
	20-00-33	9	2	1	0.2	2	-	1	-	-	4	1	1	0.2	4	2
	20-00-34	12	1	0.4	0.1	1	1	2	0.4	3	2	1	1	0.4	3	1
	20-33-15	12	1	3	1	2	2	2	1	2	4	2	1	1	4	2
Springfield	20-33-20	12	2	5	5	4	5	3	4	4	5	3	3	2	5	4
	20-33-36	12	1	2	1	2	3	4	2	4	5	4	2	1	5	3
	20-33-37	2	-	-	-	-	-	-	-	-	-	3	5	-	-	-
	20-33-32	12	4	5	3	4	4	3	4	6	6	3	3	2	6	4
	20-33-35	10	5	14	24	10	7	-	9	11	-	9	5	5	24	10
	20-00-07	12	1	1	2	1	1	2	3	4	3	3	2	1	4	2
	20-00-21	12	2	0.3	0.3	1	1	1	1	2	4	4	1	0.3	4	2
	20-09-01	12	2	3	2	1	2	1	2	3	4	3	3	1	4	2
Cottage Grove	20-09-16	12	4	6	6	6	4	7	5	5	6	4	4	4	7	5
	20-30-01	11	7	7	8	5	3	2	2	3	3	4	-	2	8	5
Oakridge	20-27-01	6	-	-	-	-	-	2	2	2	3	1	1	1	3	2
	20-24-01	10	2	2	3	3	3	3	3	6	5	-	-	2	6	3
Junction City	20-24-04	2	-	-	-	-	-	-	-	-	-	4	4	4	4	4
	20-00-04	9	0.1	-	1	-	4	5	4	5	6	2	1	0.1	6	3
	20-36-01	10	-	1	1	1	1	5	2	4	-	5	2	1	5	2
Veneta	20-21-13	9	2	0	1	2	2	4	2	-	2	-	-	1	4	2

PARTICLE FALLOUT
(by stations)
1970

City	Field Station No.	No. Sampling Months	Particle Fallout (tons/square mile/month)												Arith. Mean		
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Min.	Max.
Eugene	20-18-32	12	7	10	6	6	5	6	11	8	11	13	10	8	5	13	8
	20-18-35	6	-	-	-	-	-	-	9	6	12	11	8	5	5	12	9
	20-18-29	12	13	23	29	20	14	14	12	10	13	15	14	16	10	29	16
	20-18-31	12	40	59	82	98	74	89	73	60	55	54	47	24	24	98	63
	20-00-05	8	1	-	0.4	-	-	-	2	3	14	8	7	3	0.4	14	5
	20-00-33	9	5	3	1	6	-	2	2	-	-	11	4	3	1	11	4
	20-00-34	12	4	1	0.4	2	2	2	4	1	8	7	3	1	0.4	8	3
Springfield	20-33-15	12	4	7	4	6	5	4	4	6	6	11	6	4	4	11	6
	20-33-20	12	5	14	15	11	14	13	10	11	12	15	9	7	5	15	11
	20-33-36	12	4	6	2	5	5	8	12	6	12	14	11	5	2	14	8
	20-33-37	2	-	-	-	-	-	-	-	-	-	-	8	13	-	-	-
	20-33-32	12	10	15	10	10	7	10	8	12	17	17	9	8	7	17	11
	20-33-35	10	14	39	70	28	19	-	26	25	32	-	27	13	13	70	29
	20-00-07	12	2	2	5	3	4	6	5	8	12	9	7	4	2	12	6
	20-00-21	12	4	1	1	3	4	2	3	2	7	14	12	1	1	12	4
Cottage Grove	20-09-01	12	6	9	5	4	5	4	3	4	7	11	8	10	3	11	6
	20-09-16	12	10	18	16	17	12	20	15	14	14	17	12	10	10	20	15
Oakridge	20-30-01	11	20	19	23	14	9	6	6	8	7	13	12	-	6	23	13
Lowell	20-27-01	6	-	-	-	-	-	-	6	5	4	9	2	4	2	9	5
Junction City	20-24-01	10	5	6	9	9	9	7	7	8	18	13	-	-	5	18	9
	20-24-04	2	-	-	-	-	-	-	-	-	-	-	10	10	10	10	10
	20-00-04	9	0.2	-	3	-	11	15	11	14	-	16	6	3	0.2	16	9
Veneta	20-36-01	10	-	2	2	2	4	15	6	10	-	15	6	3	2	15	7
Florence	20-21-13	9	6	0	3	6	7	4	11	6	-	6	-	-	3	11	5

PARTICLE FALLOUT
(by areas)
1970

City	Field Station Area	Primary Purpose	Particle Fallout (grams/square meter/month)												Arith.	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Min	Max
Eugene	Residential/Commercial	Surveillance	3	4	2	2	2	2	4	3	4	4	3	2	2	4
	Residential/Commercial	Enforcement	-	4	3	3	3	3	-	-	-	-	-	-	3	4
	Industrial	Surveillance	5	8	10	7	5	5	4	4	5	5	5	6	4	10
	Industrial	Enforcement	14	21	29	34	26	31	26	21	19	19	17	9	9	34
Springfield	Residential/Commercial	Surveillance	2	3	3	3	3	3	3	3	4	5	3	3	2	5
	Industrial	Surveillance	4	5	3	4	2	4	3	4	6	6	3	3	2	6
	Industrial	Enforcement	5	14	24	10	7	-	9	9	11	-	9	5	5	24
Cottage Grove	Residential/Commercial	Surveillance	2	3	2	1	2	1	1	2	3	4	3	3	1	4
	Residential/Commercial	Enforcement	4	6	6	6	4	7	5	5	5	6	4	4	4	7
Oakridge	Residential/Commercial	Surveillance	7	7	8	5	3	2	2	3	3	5	4	-	2	8
Lowell	Residential/Commercial	Surveillance	-	-	-	-	-	-	2	2	2	3	1	1	1	3
Junction City	Residential/Commercial	Surveillance	2	2	3	3	3	3	3	3	6	5	4	4	2	6
Veneta	Residential/Commercial	Surveillance	-	1	1	1	1	5	2	4	-	5	2	1	1	5
Florence	Residential/Commercial	Surveillance	2	0	1	2	2	2	4	2	-	2	-	-	1	4
----	Rural	Surveillance	1	1	1	1	2	2	2	2	3	4	1	1	1	4

PARTICLE FALLOUT
(by areas)
1970

City	Field Station Area	Primary Purpose	Particle Fallout (tons/square mile/month)												Arith.	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Min	Max
Eugene	Residential/Commercial	Surveillance	7	10	6	6	5	6	10	7	12	12	9	6	5	12
	Residential/Commercial	Enforcement	-	11	9	10	8	9	-	-	-	-	-	-	8	11
	Industrial	Surveillance	13	23	29	20	14	14	12	10	13	16	14	16	10	29
	Industrial	Enforcement	40	59	82	98	74	89	73	60	55	54	47	24	24	98
Springfield	Residential/Commercial	Surveillance	7	17	23	13	11	8	9	8	10	13	9	7	7	23
	Industrial	Surveillance	10	15	10	10	7	10	9	12	17	18	9	8	7	18
	Industrial	Enforcement	-	-	-	-	-	-	26	25	32	-	27	13	13	32
Cottage Grove	Residential/Commercial	Surveillance	5	9	5	4	5	4	3	4	7	11	8	10	3	11
	Residential/Commercial	Enforcement	10	18	16	17	12	20	15	14	14	17	12	10	10	20
Oakridge	Residential/Commercial	Surveillance	20	19	23	14	9	6	6	8	7	13	12	-	6	23
	Residential/Commercial	Surveillance	-	-	-	-	-	-	6	5	4	9	2	4	2	6
Junction City	Residential/Commercial	Surveillance	5	6	9	9	9	7	7	8	18	13	10	10	5	18
	Residential/Commercial	Surveillance	-	2	2	2	4	15	6	10	-	15	6	3	2	15
Florence	Residential/Commercial	Surveillance	6	0	3	6	7	4	11	6	-	6	-	-	3	11
	Rural	Surveillance	3	2	1	3	3	8	5	6	10	10	7	3	1	10

SUSPENDED PARTICULATE STATIONS
Field Sampling Method: Hi Volume Sampler

1970

City	Field Station Area	Field Station Site	Type of Station	Primary Purpose	Station No.
Eugene	Residential/Commercial	City Hall	PAMS	Surveillance	20-18-32
Springfield	Residential/ Commercial	City Library	PAMS	Surveillance	20-33-37
	Industrial	City Shops	Special PAMS	Enforcement	20-33-35
Junction City	Residential/ Commercial	City Library	PAMS	Surveillance	20-24-04
-- --	Rural	LRAPA Bldg., Airport	PAMS	Surveillance	20-00-33

PAMS = Primary Air Mass Station

SUSPENDED PARTICULATE (ug/m3)

Eugene City Hall

1970

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			61			24
2	93		58	178		
3		69	59		168	
4		54	35			
5		55				153
6		88		72	68	
7		45		95		
8			56			
9			76			55
10	59	138	173	86		
11		51	151		38	
12		121				
13		73				72
14	88	138	115	112		33
15	104		125		45	
16	33		157			
17	106	74	95			93
18	78	160	35	35		
19		110			41	
20		119		39		
21	59	107	34			105
22	75		66	25		
23	89		47			
24	60		139			
25		96	117			74
26						
27	80				49	
28	51	83	210			
29	83		164			22
30	68		214	179		
31	119					
Min.	33	45	34	25	38	22
Max.	149	160	214	179	168	153
Ave.	78	93	104	91	68	70
No of Sampling Days	16	17	21	9	6	9

SUSPENDED SOLIDS (ug/m³)
Springfield City Library
1970

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						21
2						
3					180	
4						
5						74
6					77	
7					73	
8						
9						112
10						
11					36	
12						
13						64
14						29
15					70	
16						
17						122
18				38		
19					36	
20				53		
21						76
22				110		
23					82	
24						
25						67
26				54		
27					34	
28						
29						39
30				160		
31						
Min.				38	34	21
Max.				160	180	122
Ave.				83	74	67
No of Sampling Days				5	8	9

SUSPENDED PARTICULATE (ug/m³)
Springfield City Shops
1970

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						
2	39		174	300		
3		175	138		367	
4	64	145	57			
5		142				97
6		192		71	165	
7				163	166	
8			104			
9						95
10	142	252	232	94		
11		192	237		107	
12		168				
13		184		289		70
14	86	294	178	329		71
15	162		276		74	
16	128		208			
17	165	198	177			68
18	90	242	72	116		
19		204			50	
20		212		88		
21	139	235	110			48
22	141		60	35		
23	180		187		110	
24	129		199			
25		177	232			38
26		271		66		
27	129				39	
28	184	200	258			
29	242		269			40
30	207		272	197		
31	206					
Min.	39	142	57	35	39	38
Max.	242	294	276	329	367	97
Ave.	143	205	181	159	135	66
No of Sampling Days	17	17	19	11	8	8

SUSPENDED PARTICULATE (ug/m³)
Junction City Library

1970

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						56
2						
3					126	
4						
5						39
6					43	
7					38	
8						
9						74
10						
11					50	
12						
13						44
14						42
15					38	
16						
17						74
18						
19					55	
20						
21						87
22						
23					28	
24						
25						59
26						
27					23	
28						
29						55
30						
31						
Min.					23	39
Max.					126	87
Ave.					50	59
No of Sampling Days					8	9

SUSPENDED PARTICULATE (ug/m³)
IRAPA Building, Airport
1970

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			37			
2	37		52	158		
3		60	39		107	
4		26	10			
5		32				7
6				22	28	
7		23		68	29	
8						
9			62			
10	36	91		46		
11		95	83		17	
12		69				
13				116		29
14		85	67	88		12
15	57		177		21	
16			87			
17	50		16			32
18		74	15	25		
19						
20		64		24		
21	45	67	31			26
22	67					
23	53		26		10	
24	45	22				
25		62	91			35
26		93		44		
27		35			16	
28	26	45	110			
29	55		105			4
30	57		115	72		
31	54	21				
Min.	26	21	10	22	10	4
Max.	67	95	177	158	107	35
Ave.	49	57	66	66	33	21
No of Sampling Days	12	17	17	10	7	7

SUSPENDED PARTICULATE

1970

City	Station Location	Field Station No.	Suspended Particulate (ug/m ³) Average						
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Arith. Mean
Eugene	City Hall	20-18-32	78	93	104	91	68	70	84
Springfield	City Library	20-33-37	-	-	-	83	74	67	-
	City Shops	20-33-35	143	205	181	159	135	66	148
Junction City	City Library	20-24-04	-	-	-	-	50	59	-
Rural	IRAPA, Airport	20-00-33	49	57	66	66	33	21	49

SUSPENDED PARTICULATE INDEX STATION

Field Sampling Method: Integrating Nephelometer

Continuous Air Monitoring Stations

1970

City	Field Station Area	Field Station Site	Type of Station	Primary Purpose	Station No.
Eugene	Residential/Commercial	City Hall	PAMS	Surveillance	20-18-32
----	Rural	LRAPA Bldg., Airport	PAMS	Surveillance	20-00-33

PAMS = Primary Air Mass Station

NEPHELOMETER OPERATION LOG

1970

Location	July	August	September	October	November	December
Eugene City Hall	-	12 - 15 18 24 - 27	1 - 12	12 - 28	4 - 10 12 - 17	- -
IRAPA Building, Airport	1 - 31	1 - 11 28 - 31	-	-	20 - 21 24 - 30	-
Out of Service	-	16 - 17 19 - 23	13 - 31	1 - 11 29 - 31	1 - 3 11 18 - 19 22 - 23	1 - 31

**SUSPENDED PARTICULATE INDEX (S.P.I.)
CONTINUOUS AIR MONITORING STATION**

EUGENE CITY HALL

August, 1970

DAY	Ave. SPI At Specific Hrs.			Ave. Max. SPI During 24 Hrs.						24 Hr. Ave.
	10 am	3 pm	8 pm	5 min.	Time	1 hr.	Time	8 hr.	Time	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12	-	-	99	99	8 PM	99	8 PM	NA (2)	-	NA (2)
13	-	81	30	89	2 PM	85	2 PM	25	5-12 M	NA (2)
14	38	24	64	97	8 AM	86	8 AM	50	NA (1)	115
15	56	7	-	82	3 AM	67	6 AM	60	1-8 AM	NA (2)
16										
17										
18	-	24	-	30	NA (1)	30	NA (1)	-	NA (2)	NA (2)
19										
20										
21										
22										
23										
24	-	-	16	62	8 PM	46	10 PM	15	5-12 M	NA (2)
25	3	-	-	30	6 AM	30	6 AM	11	1-8 AM	NA (2)
26	-	38	-	68	11 AM	68	11 AM	NA (2)	-	NA (2)
27	-	46	-	49	4 PM	49	4 PM	NA (2)	-	NA (2)
28										
29										
30										
31										

NA (1) - Not applicable due to max. concentration level continuing longer than time indicated.

NA (2) - Not applicable since instrument was not recording data continuously during 24 hour period.

EUGENE CITY HALL

[illegible]

NA (2) = Not applicable since instrument was not recording data continuously during 24 hour period.

**SUSPENDED PARTICULATE INDEX (SPI)
CONTINUOUS AIR MONITORING STATION**

EUGENE CITY HALL

October 1970

DAY	Ave. SPI At Specific Hrs.			Ave. Max. SPI During 24 Hrs.						24 Hr. Ave.
	10 am	3 pm	8 pm	5 min.	Time	1 hr.	Time	8 hr.	Time	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12	30	11	20	80	11 PM	75	10 PM	46	5-12 M	NA (2)
13	76	49	-	93	9 AM	89	9 AM	70	1-8 AM	NA (2)
14	60	30	26	66	12 M	66	12 M	46	5-12 M	NA (2)
15	82	30	62	94	10 PM	89	10 PM	66	5-12 M	62
16	-	64	64	93	6 PM	89	12 N	68	1-8 AM	NA (2)
17	52	49	86	89	8 PM	86	8 PM	62	1-8 AM	55
18	11	7	35	52	2 AM	52	2 AM	38	1-8 AM	26
19	35	24	42	46	11 PM	46	11 PM	38	5-12 M	26
20	15	30	30	59	6 PM	39	6 PM	38	5-12 M	30
21	7	24	20	35	5 PM	59	5 PM	15	NA (1)	15
22	15	7	11	15	NA (1)	15	NA (1)	11	NA (1)	11
23	11	7	20	49	9 PM	49	9 PM	20	5-12 M	15
24	11	15	35	42	9 PM	42	9 PM	24	5-12 M	15
25	7	15	35	64	11 PM	64	11 PM	38	5-12 M	20
26	24	3	20	52	11 PM	52	11 PM	35	1-8 AM	24
27	38	30	78	95	12 M	92	12 M	81	5-12 M	46
28	-	-	-	93	1 AM	86	1 AM	74	1-8 AM	NA (2)
29										
30										
31										

NA (1) - Not applicable due to max. concentration level continuing longer than time indicated.

NA (2) - Not applicable since instrument was not recording data continuously during 24 hour period.

**SUSPENDED PARTICULATE INDEX (S_pi)
CONTINUOUS AIR MONITORING STATION**

EUGENE CITY HALL

November 1970

DAY	Ave. SPI At Specific Hrs.			Ave. Max. SPI During 24 Hrs.						24 Hr. Ave.
	10 am	3 pm	8 pm	5 min.	Time	1 hr.	Time	8 hr.	Time	
1										
2										
3										
4	-	35	56	76	6 PM	66	10 PM	52	5-12 M	NA (2)
5	56	20	42	85	9 AM	75	NA (1)	56	1-8 AM	46
6	59	20	15	84	7 AM	66	11 AM	38	NA (1)	35
7	11	3	66	80	8 PM	66	8 PM	35	5-12 M	15
8	7	20	-	20	NA (1)	20	NA (1)	15	9-4 PM	NA (2)
9	-	-	56	75	10 PM	75	10 PM	56	5-12 M	NA (2)
10	30	30	-	49	5 PM	49	5 PM	30	NA (1)	NA (2)
11										
12	-	-	7	30	7 PM	30	7 PM	3	5-12 M	NA (2)
13	15	42	81	89	12 M	97	12 M	75	5-12 M	46
14	75	46	89	97	NA (1)	96	10 PM	89	5-12 M	84
15	30	7	20	97	3 AM	95	3 AM	92	1-8 AM	NA (2)
16	11	15	80	94	10 PM	81	10 PM	62	5-12 M	NA (2)
17	70	92	-	93	NA (1)	93	NA (1)	88	9-4 PM	NA (2)
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

NA (1) - Not applicable due to max. concentration level continuing longer than time indicated.

NA (2) - Not applicable since instrument was not recording data continuously during 24 hour period.

SUSPENDED PARTICULATE INDEX (SPI)
Continuous Air Monitoring Station
Eugene City Hall

SPI Range	1970 Number of Days of Ave. Max SPI for Specified Durations												
	July					August					September		
	5 min	1 hr	8 hr	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min
0 - 20	-	-	-	-	0	0	2	0	3	3	6	5	
21 - 40	-	-	-	-	2	2	1	0	1	2	2	0	
41 - 70	-	-	-	-	3	4	2	1	4	5	1	0	
71 - 90	-	-	-	-	2	2	0	0	4	2	0	0	
91 - 100	-	-	-	-	2	1	0	0	0	0	0	0	
Range	October					November					December		
	5 min	1 hr	8 hr	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min
	5 min	1 hr	8 hr	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min
0 - 20	1	1	3	5	1	1	2	1	-	-	-	-	-
21 - 40	1	1	6	4	1	1	3	1	-	-	-	-	-
41 - 70	8	8	6	3	1	4	4	1	-	-	-	-	-
71 - 90	2	5	1	0	6	3	3	1	-	-	-	-	-
91 - 100	4	1	0	0	4	4	1	0	-	-	-	-	-

Range	Intensity	Class
0 - 20	Very Light	I
21 - 40	Light	II
41 - 70	Moderate	III
71 - 90	Heavy	IV
91 - 100	Very Heavy	V

SUSPENDED PARTICULATE INDEX (SPI)

Continuous Air Monitoring Station

Eugene City Hall

1970

Month	1 Hour (SPI)		8 Hour (SPI)		24 Hour (SPI)	
	Max. Average	Monthly Ave.	Max. Average	Monthly Ave.	Max. Average	Monthly Average
July	-	-	-	-	-	-
August	99	62	60	32	NA	NA
September	84	43	59	22	20	NA
October	92	64	81	45	62	29
November	96	80	92	66	84	52
December	-	-	-	-	-	-

Number of Operational Days
-
9
12
17
13
-

NA = not applicable since instrument was not recording data continuously during 24 hour period

Range	Intensity	Class
0 - 20	Very light	I
21 - 40	Light	II
41 - 70	Moderate	III
71 - 90	Heavy	IV
91 - 100	Very heavy	V

**SUSPENDED PARTICULATE INDEX ()
CONTINUOUS AIR MONITORING STATION**

Lane Regional Air Pollution Authority Building

July 1970

DAY	Ave. SPI At Specific Hrs.			Ave. Max. SPI During 24 Hrs.						24 Hr.
	10 am	3 pm	8 pm	5 min.	Time	1 hr.	Time	8 hr.	Time	Ave.
1	75	7	1	82	11 AM	82	11 AM	50	9-4 PM	25
2	15	7	7	30	NA (1)	30	NA (1)	16	1-8 AM	11
3	15	11	3	30	NA (1)	30	NA (1)	16	1-8 AM	11
4	1	1	3	11	1 AM	11	1 AM	7	1-8 AM	3
5	1	1	1	7	NA (1)	7	NA (1)	3	NA (1)	3
6	3	7	11	11	NA (1)	11	NA (1)	11	5-12 Mnt	7
7	20	11	11	20	NA (1)	20	NA (1)	16	1-8 AM	11
8	15	11	35	44	7 PM	44	7 PM	30	5-12 Mnt.	NA (2)
9	11	3	7	17	7 AM	17	7 AM	16	5-12 Mnt.	11
10	11	3	3	16	NA (1)	16	NA (1)	11	1-8 AM	7
11	11	3	7	16	7 AM	16	7 AM	11	1-8 AM	7
12	7	7	3	11	NA (1)	11	NA (1)	11	1-8 AM	7
13	11	30	15	32	7 PM	32	7 PM	17	5-12 Mnt.	16
14	24	24	11	30	NA (1)	30	NA (1)	25	9-4 PM	17
15	38	24	11	62	7 AM	62	7 AM	32	1-8 AM	25
16	7	11	11	17	NA (1)	17	NA (1)	11	NA (1)	11
17	52	42	15	66	11 AM	66	11 AM	58	9-4 PM	32
18	42	42	7	58	1 PM	58	1 PM	45	9-4 PM	25
19	7	20	11	44	2 PM	44	2 PM	16	9-4 PM	11
20	11	42	3	96	8 AM	80	8 AM	16	NA (1)	11
21	7	3	1	11	NA (1)	11	NA (1)	7	NA (1)	7
22	11	59	30	92	1 PM	67	1 PM	30	9-4 PM	16
23	20	11	7	25	NA (1)	25	NA (1)	17	9-4 PM	16
24	7	24	11	93	1 PM	45	1 PM	16	NA (1)	11
25	7	3	3	16	7 AM	16	7 AM	11	1-8 AM	7
26	7	3	3	96	5 PM	66	5 PM	11	NA (1)	7
27	3	98	3	99	1 PM	90	1 PM	82	9-4 PM	3
28	7	3	3	7	NA (1)	7	NA (1)	7	1-8 AM	3
29	3	66	1	97	12 Noon	75	8 AM	53	9-4 PM	25
30	11	24	56	83	2 PM	58	2 PM	32	5-12 Mnt.	17
31	35	64	15	92	2 PM	72	2 PM	45	9-4 PM	30

NA(1) - Not applicable due to max. concentration level continuing
longer than time indicated.

NA(2) - Not applicable since instrument was not recording data

SUSPENDED PARTICULATE INDEX (SP1)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

August 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	7	7	1	11	NA(1)	11	NA(1)	11	1-8 AM	7
2	3	11	66	88	8 PM	67	7 PM	32	5-12 M	16
3	35	30	11	92	12 N	67	12 N	44	9-4 PM	25
4	11	11	87	98	8 PM	88	8 PM	44	5-12 M	17
5	-	-	11	20	5 PM	20	5 PM	15	5-12 M	NA(2)
6	59	20	20	92	11 AM	89	11 AM	59	9-4 PM	35
7	49	11	7	50	10 AM	50	10 AM	29	1-8 AM	17
8	24	76	30	87	4 PM	82	4 PM	52	9-4 PM	35
9	24	38	11	96	12 N	85	12 N	59	9-4 PM	35
10	70	68	11	98	2 PM	92	2 PM	70	9-4 PM	42
11	72	66	1	95	8 AM	82	8 AM	64	9-4 PM	42
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28	20	7	64	80	8 PM	64	8 PM	20	5-12 M	NA(2)
29	59	20	7	64	11 AM	64	11 AM	42	9-4 PM	24
30	38	15	11	52	8 AM	52	8 AM	35	1-8 AM	30
31	3	15	20	24	10 AM	24	10 AM	20	5-12 M	11

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

SUSPENDED PARTICULATE INDEX (8)
CONTINUOUS AIR MONITORING STATION

Lane Regional Air Pollution Authority Building

November 1970

DAY	Ave. SPI At Specific Hrs.			Ave. Max. SPI During 24 Hrs.						24 Hr. Ave.
	10 am	3 pm	8 pm	5 min.	Time	1 hr.	Time	8 hr.	Time	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20	-	7	3	11	12 M	11	12 M	NA (2)	NA (2)	NA (2)
21	76	7	11	95	9 AM	90	9 AM	59	9-11 PM	42
22										
23	11	24	-	-	-	-	-	-	-	-
24	1	7	3	7	3 PM	7	3 PM	NA (2)	NA (2)	NA (2)
25	20	3	11	66	9 AM	46	9 AM	NA (2)	NA (2)	NA (2)
26	11	7	3	24	6 AM	24	6 AM	NA (2)	NA (2)	NA (2)
27	3	7	42	80	10 PM	42	10 PM	38	5-12 M	15
28	20	20	77	98	12 M	95	12 M	77	5-12 M	49
29	38	46	49	92	1 AM	95	1 AM	68	1-8 AM	52
30	-	-	-	7	NA (1)	7	NA (1)	NA (2)	NA (2)	NA (2)
31										

NA(1) - Not applicable due to max. concentration level continuing
longer than time indicated.

NA(2) - Not applicable since instrument was not recording data

SUSPENDED PARTICULATE INDEX (SPI)

Continuous Air Monitoring Station

Lane Regional Air Pollution Authority Building

1970

SPI Range	Number of Days of Ave. Max SPI for Specified Durations													
	July				August				September					
	5 min	1 hr	8 hr	24 hrs	5 min	1 hr	8 hrs	24 hrs	5 min	1 hr	8 hrs	24 hrs		
0 - 20	12	12	20	25	2	2	4	5	-	-	-	-	-	-
21 - 40	5	6	5	6	1	1	3	6	-	-	-	-	-	-
41 - 70	5	8	5	0	3	6	8	2	-	-	-	-	-	-
71 - 90	2	5	1	0	3	5	0	0	-	-	-	-	-	-
91 - 100	7	0	0	0	6	1	0	0	-	-	-	-	-	-
October					November					December				
0 - 20	-	-	-	-	3	3	0	1	-	-	-	-	-	-
21 - 40	-	-	-	-	1	1	1	0	-	-	-	-	-	-
41 - 70	-	-	-	-	1	2	2	3	-	-	-	-	-	-
71 - 90	-	-	-	-	1	1	1	0	-	-	-	-	-	-
91 - 100	-	-	-	-	3	2	0	0	-	-	-	-	-	-

Range	Intensity	Class
0 - 20	Very light	I
21 - 40	Light	II
41 - 70	Moderate	III
71 - 90	Heavy	IV
91 - 100	Very Heavy	V

SUSPENDED PARTICULATE INDEX (SPI)
Continuous Air Monitoring Station
Lane Regional Air Pollution Authority Building

1970

Month	1 Hour (SPI)		8 Hour (SPI)		24 Hour (SPI)	
	Max. Average	Monthly Ave.	Max. Average	Monthly Ave.	Max. Average	Monthly Average
July	90	39	82	24	32	13
August	92	63	70	40	42	22
September	-	-	-	-	-	-
October	-	-	-	-	-	-
November	95	75	77	64	52	42
December	-	-	-	-	-	-

Number of Operational Days
31
15
-
-
9
-

Range	Intensity	Class
0 - 20	Very light	I
21 - 40	Light	II
41 - 70	Moderate	III
71 - 90	Heavy	IV
91 - 100	Very heavy	V

Carbon Monoxide Stations

Field Sampling Method: Non-dispersive Infrared Analyzer

1970

Continuous Air Monitoring Station

City	Field Station Area	Field Station Site	Type of Station	Primary Purpose	Station No.
--	Rural	LRAPA Bldg., Airport	PAMS	Surveillance	20-00-33

Intermittent Air Sampling Stations

City	Field Station Area	Field Station Site	Type of Station	Primary Purpose	Station No.
Eugene	Commercial	Lane Co. Courthouse	Mobile		
		East 8th near Oak	PGLMS	Surveillance	20-18-51
	Commercial	Eugene Uptown	Mobile		
Springfield		Willamette near 11th	PGLMS	Surveillance	20-18-52
	Commercial	Springfield Fire Dept.	Mobile		
		North A near 4th	PGLMS	Surveillance	20-33-50
	Commercial	Springfield Downtown	Mobile		
		Main near 6th	PGLMS	Surveillance	20-33-51

FAMS = Primary Air Mass Station

FGIMS = Primary Ground Level Monitoring Station

CARBON MONOXIDE (CO)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

July 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24	-	-	1.0	1.0	NA (1)	1.0	NA (1)	0.9	5-12 M	NA (2)
25	1.0	0.5	1.0	1.0	NA (1)	1.0	NA (1)	1.0	5-12 M	0.9
26	1.0	1.5	2.0	2.0	NA (1)	2.0	NA (1)	1.9	5-12 M	1.4
27	0.5	1.0	1.0	2.5	NA (1)	2.5	NA (1)	2.2	1-8 AM	1.0
28	1.0	1.0	1.0	1.0	NA (1)	1.0	NA (1)	1.0	NA (1)	1.0
29	0.5	1.5	1.5	2.0	12 N	2.0	12 N	1.5	5-12 M	1.3
30	0.5	1.5	1.5	2.0	NA (1)	2.0	NA (1)	1.6	NA (1)	1.2
31	1.0	1.0	1.0	2.0	NA (1)	2.0	NA (1)	1.6	1-8 AM	1.2

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

CARBON MONOXIDE (CO)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

August 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	0.5	1.0	1.0	2.0	10 PM	2.0	10 PM	1.4	5-12 Mdnt	0.9
2	2.5	2.0	2.0	2.5	10 AM	2.5	10 AM	2.0	9-4 PM	1.8
3	1.0	-	1.0	1.5	NA (1)	1.5	NA (1)	1.5	1-8 PM	NA (2)
4	1.0	1.5	1.5	1.5	NA (1)	1.5	NA (1)	1.2	5-12 Mdnt	1.0
5	1.5	2.5	1.5	2.5	NA (1)	2.5	NA (1)	1.8	NA (1)	1.6
6	1.0	1.5	1.5	1.5	NA (1)	1.5	NA (1)	1.4	5-12 Mdt	1.1
7	1.5	2.0	1.0	2.0	NA (1)	2.0	NA (1)	1.4	NA (1)	1.4
8	1.5	1.5	0.5	1.5	NA (1)	1.5	NA (1)	1.5	9-4 PM	1.2
9	0.5	0.5	0.5	0.5	NA (1)	0.5	NA (1)	0.5	NA (1)	0.5
10	1.5	1.5	1.5	2.0	NA (1)	2.0	NA (1)	1.8	5-12 Mdnt	1.1
11	2.0	1.5	1.5	2.0	NA (1)	2.0	NA (1)	1.7	5-12 Mdnt	1.6
12	0.5	1.0	2.0	2.0	NA (1)	2.0	NA (1)	1.6	5-12 Mdt	1.2
13	1.0	0.5	1.5	1.5	NA (1)	1.5	NA (1)	1.5	5-12 Mdnt	1.2
14	1.0	1.0	1.5	1.5	NA (1)	1.5	NA (1)	1.4	1-8 AM	1.2
15	1.0	1.0	0.5	1.5	NA (1)	1.5	NA (1)	0.9	NA (1)	0.8
16	1.0	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.2	9-4 PM	1.0
17	-	-	1.0	2.0	11 PM	2.0	11 PM	1.4	9-4 PM	NA (2)
18	2.0	2.5	2.0	2.5	NA (1)	2.5	NA (1)	2.1	9-4 PM	1.8
19	2.0	2.0	2.0	2.5	11 AM	2.5	11 AM	2.0	9-4 PM	1.8
20	1.5	1.5	1.0	2.0	NA (1)	2.0	NA (1)	1.6	9-4 PM	1.4
21	2.0	1.5	1.0	2.0	NA (1)	2.0	NA (1)	1.6	9-4 PM	1.3
22	1.5	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.3	9-4 PM	1.1
23	1.5	1.5	2.0	2.0	NA (1)	2.0	NA (1)	1.7	5-12 Mdnt	1.4
24	0.5	1.0	0.5	2.0	NA (1)	2.0	NA (1)	1.9	1-8 AM	1.2
25	1.5	1.5	1.0	2.0	7 AM	2.0	7 AM	1.6	1-8 AM	1.3
26	-	1.5	0.5	2.5	8 AM	2.5	8 AM	1.5	1-8 AM	NA (2)
27	-	-	0.5	1.0	NA (1)	1.0	NA (1)	NA (2)	NA (2)	NA (2)
28	1.5	0.5	1.0	2.0	NA (1)	2.0	NA (1)	1.4	9-4 PM	1.2
29	-	-	-	2.5	8 AM	2.5	8 AM	1.8	1-8 AM	NA (2)
30	-	-	-	-	-	-	-	-	-	-
31	1.5	1.5	1.5	2.0	NA (1)	2.0	NA (1)	1.6	5-12 Mdnt	NA (2)

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

CARBON MONOXIDE (CO)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

September 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	1.5	1.5	1.0	2.5	NA (1)	2.5	NA (1)	2.0	1-8 AM	1.5
2	2.0	1.0	0.5	2.0	NA (1)	2.0	NA (1)	1.6	9-4 pm	1.1
3	2.0	2.0	0.5	2.0	NA (1)	2.0	NA (1)	1.6	9-4 pm	1.1
4	1.0	1.5	1.5	2.0	NA (1)	2.0	NA (1)	1.7	5-12 M	1.2
5	1.5	1.0	1.0	2.0	NA (1)	2.0	NA (1)	1.6	1-8 am	1.3
6	1.5	1.5	1.0	1.5	NA (1)	1.5	NA (1)	1.4	9-4 pm	1.1
7	1.0	1.0	0.5	1.5	2 pm	1.5	2 pm	1.1	9-4 pm	1.0
8	1.5	1.5	1.5	2.0	8 am	2.0	8 am	1.5	NA (1)	1.4
9	1.5	2.0	2.0	2.0	NA (1)	2.0	NA (1)	1.8	9-4 pm	1.7
10	2.0	1.5	1.5	2.0	NA (1)	2.0	NA (1)	2.0	1-8 am	1.8
11	0.5	1.0	1.0	2.0	NA (1)	2.0	NA (1)	2.0	1-8 am	1.3
12	1.5	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.3	1-8 am	1.1
13	2.0	1.5	1.0	2.0	NA (1)	2.0	NA (1)	1.6	9-4 pm	1.4
14	1.5	1.5	2.0	6.0	12 N	3.0	11 pm	2.0	NA (1)	1.8
15	1.0	0.5	1.0	11.0	12 N	2.5	NA (1)	2.4	1-8 am	1.5
16	2.5	1.5	1.5	2.5	NA (1)	2.5	NA (1)	2.0	5-12 M	1.9
17	0.5	0.5	0.5	3.5	9 am	3.5	9 am	2.4	1-8 am	1.4
18	0.5	0.5	0.5	1.0	NA (1)	1.0	NA (1)	1.0	1-8 am	0.7
19	1.0	1.0	0.5	1.5	NA (1)	1.5	NA (1)	1.1	9-4 pm	0.8
20	1.0	1.0	1.0	1.0	NA (1)	1.0	NA (1)	1.0	9-4 pm	0.8
21	0.5	0	1.5	1.5	NA (1)	1.5	NA (1)	1.5	5-12 M	1.0
22	0	0.5	0.5	1.5	NA (1)	1.5	NA (1)	1.1	1-8 am	0.7
23	1.0	0	0	1.5	11 am	1.5	11 am	0.6	9-4 pm	0.5
24	0	0	0.5	0.5	NA (1)	0.5	NA (1)	0.5	5-12 M	0.3
25	0	0	0.5	1.0	8 am	1.0	8 am	0.5	1-8am	0.3
26	0.5	1.0	0.5	1.0	NA (1)	1.0	NA (1)	0.8	5-12 M	0.5
27	0.5	1.0	0.5	1.0	NA (1)	1.0	NA (1)	0.8	NA (1)	0.5
28	1.0	1.5	0.5	2.0	NA (1)	2.0	NA (1)	1.3	9-4 p m	0.7
29	0	0.5	0.5	1.5	12 N	1.5	12 N	0.6	9-4 pm	0.4
30	0	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.2	5-12 M	0.7
31										

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

CARBON MONOXIDE (CO)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING
October 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	1.0	0.5	0.5	1.0	NA (1)	1.0	NA (1)	0.8	NA (1)	0.7
2	1.5	1.5	1.0	1.5	NA (1)	1.5	NA (1)	1.2	NA (1)	0.9
3	0.5	0.5	0.5	0.5	NA (1)	0.5	NA (1)	0.5	9-4 pm	0.4
4	0	0	0	0	NA (1)	0	NA (1)	0	NA (1)	0
5	0	1.0	0.5	1.0	NA (1)	1.0	NA (1)	0.6	NA (1)	0.4
6	0	0	0.5	1.0	NA (1)	1.0	NA (1)	0.6	5-12 M	0.4
7	1.0	0	0	1.5	NA (1)	1.5	NA (1)	0.9	1-8 am	0.6
8	1.0	0.5	0.5	2.0	11 am	2.0	11 am	0.8	9-4 pm	0.4
9	1.5	0.5	0.5	1.5	10 am	1.5	10 am	0.7	9-4 pm	0.6
10	0.5	0.5	0.5	1.0	NA (1)	1.0	NA (1)	0.6	1-8 am	0.5
11	0.5	0.5	0.5	0.5	NA (1)	0.5	NA (1)	0.6	9-4 pm	0.5
12	0	0	0.5	0.5	NA (1)	0.5	NA (1)	0.2	5-12 M	0.1
13	1.0	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.2	5-12 M	0.9
14	1.5	1.5	1.0	2.0	9 AM	2.0	9 am	1.4	9-4 pm	0.9
15	-	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.3	5-12 M	NA (2)
16	1.0	1.0	0.5	1.5	9 am	1.5	9 am	1.0	NA (1)	0.9
17	1.0	1.0	1.0	1.0	NA (1)	1.0	NA (1)	1.0	5-12 M	0.8
18	1.0	1.0	1.5	2.0	9 pm	2.0	9 pm	1.2	5-12 M	1.1
19	-	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.4	5-12 M	NA (2)
20	-	0.5	1.0	1.5	NA (1)	1.5	NA (1)	0.9	5-12 M	NA (2)
21	0.5	1.0	0.5	1.0	NA (1)	1.0	NA (1)	0.6	NA (1)	0.6
22	0.5	1.0	0.5	1.0	NA (1)	1.0	NA (1)	0.7	9-4 pm	0.5
23	0	0.5	0.5	1.0	NA (1)	1.0	NA (1)	0.6	1-8 am	0.5
24	0.5	1.0	0.5	1.5	NA (1)	1.5	NA (1)	0.9	5-12 M	0.7
25	1.0	1.5	1.5	1.5	NA (1)	1.5	NA (1)	1.5	5-12 M	1.3
26	0.5	0	1.0	1.5	NA (1)	1.5	NA (1)	1.5	1-8 am	0.9
27	0.5	0	0	0.5	NA (1)	0.5	NA (1)	0.5	1-8 am	0.3
28	1.5	1.0	1.5	3.0	2 am	2.5	2 am	1.6	5-12 M	1.2
29	2.0	1.0	1.5	3.0	7 am	3.0	7 am	2.3	1-8 am	1.7
30	1.5	1.0	1.5	2.0	NA (1)	2.0	NA (1)	1.6	NA (1)	1.5
31	1.0	1.0	1.0	1.5	NA (1)	1.5	NA (1)	1.4	1-8 am	1.1

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

CARBON MONOXIDE (CO)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

November 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	1.0	1.0	1.5	1.5	NA (1)	1.5	NA(1)	1.1	5-12 M	1.0
2	2.0	1.5	1.5	2.0	NA(1)	2.0	NA (1)	1.8	5-12 M	1.6
3	2.0	1.0	1.5	2.5	NA(1)	2.5	NA(1)	1.9	1-8 am	1.5
4	3.5	1.0	0.5	3.5	NA(1)	3.5	NA(1)	1.9	9-4 pm	1.3
5	1.0	1.0	1.0	1.5	NA(1)	1.5	NA(1)	1.0	NA(1)	1.0
6	1.5	1.5	-	1.5	NA(1)	1.5	NA(1)	1.2	9-4 pm	NA(2)
7	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	0.5	1.0	3.0	3.5	7 pm	3.5	7 pm	1.9	5-12 M	1.4
10	0.5	1.0	1.0	2.0	7 pm	2.0	7 pm	1.4	1-8 am	1.1
11	0.5	0.5	0.5	1.0	1 am	1.0	1 am	0.6	1-8 am	0.5
12	0.5	0.5	0.5	1.5	NA(1)	1.5	NA(1)	0.9	5-12 M	0.6
13	0.5	1.0	1.5	1.5	NA(1)	1.5	NA(1)	1.1	5-12 M	1.0
14	1.0	1.0	1.0	1.5	NA(1)	1.5	NA(1)	1.1	NA(1)	1.1
15	1.0	0.5	0.5	1.5	NA(1)	1.5	NA(1)	1.1	1-8 am	0.8
16	1.0	0	0.5	1.0	NA(1)	1.0	NA(1)	0.6	NA(1)	0.6
17	0.5	1.5	1.5	2.0	10 pm	2.0	10 pm	1.5	5-12 M	1.0
18	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	1.0	1-8 am	0.7
19	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.7	5-12 M	0.6
20	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.9	1-8 am	0.7
21	1.5	1.0	0.5	2.0	9 am	2.0	9 am	1.5	9-4 pm	1.2
22	1.0	1.0	1.0	1.0	NA(1)	1.0	NA(1)	1.0	5-12 M	0.9
23	1.0	1.0	0.5	1.5	9 am	1.5	9 am	1.0	NA(1)	0.8
24	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.6	1-8 am	0.5
25	1.0	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.6	9- 4 pm	0.5
26	0.5	0.5	0.5	0.5	NA(1)	0.5	NA(1)	0.5	NA(1)	0.5
27	0.5	0.5	1.0	1.0	NA(1)	1.0	NA(1)	0.8	5-12M	0.4
28	0.5	1.0	2.5	5.5	12 M	5.5	12 M	2.2	5-12 M	1.1
29	1.0	1.0	1.0	4.5	1 AM	4.5	1 AM	2.1	1-8 am	1.3
30	3.0	1.0	1.0	4.0	10 AM	3.0	10 am	1.6	9-4 pm	1.0
31										

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

CARBON MONOXIDE (CO)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

December 1970

Day	Ave. ppm CO at Specific Hours			Ave. Max. ppm CO During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	2.0	0.5	0.5	2.0	10 am	2.0	10 am	1.4	1-8 am	0.9
2	0.5	1.0	0.5	1.5	2 pm	1.5	2 pm	0.8	9-4 pm	0.6
3	0.5	0	1.0	1.5	12 M	1.5	12 M	1.0	5-12 M	0.6
4	1.0	0.5	1.0	1.5	NA(1)	1.5	NA(1)	1.3	1-8 am	1.1
5	1.0	1.0	1.5	1.5	NA(1)	1.5	NA(1)	1.1	5-12 M	1.0
6	1.0	1.0	1.0	1.5	NA(1)	1.5	NA(1)	1.3	9-4 pm	1.1
7	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	1.0	1-8 am	0.8
8	-	1.0	1.0	1.5	12 M	1.5	12 M	1.1	5-12 M	NA(2)
9	1.5	0.5	0.5	1.5	10 am	1.5	10 am	1.0	1-8 am	0.8
10	0.5	0.5	0.5	1.5	9 am	1.5	9 am	0.8	9-4 pm	0.6
11	1.0	1.5	1.0	1.5	NA(1)	1.5	NA(1)	1.1	NA(1)	0.9
12	1.0	1.0	1.0	2.0	3 am	2.0	3 am	1.2	1-8 am	1.1
13	1.5	1.0	1.0	2.0	8 am	2.0	8 am	1.3	1-8 am	1.2
14	0.5	0.5	0.5	1.0	1 am	1.0	1 am	0.6	1-8 am	0.5
15	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.6	9-4 pm	0.5
16	0.5	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.6	NA(1)	0.6
17	1.0	1.0	2.0	2.0	8 pm	2.0	8 pm	1.3	5-12 M	0.9
18	1.0	1.0	1.0	1.5	NA(1)	1.5	NA(1)	1.2	5-12 M	1.1
19	1.0	1.0	1.0	1.5	NA(1)	1.5	NA(1)	1.3	1-8 am	1.1
20	0.5	1.5	1.0	1.5	NA(1)	1.5	NA(1)	1.1	5-12 M	0.9
21	0.5	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-
23	-	-	1.5	2.0	NA(1)	2.0	NA(1)	1.7	NA(2)	NA(2)
24	1.0	1.5	1.5	2.5	12 M	2.5	12 M	1.7	5-12 M	1.3
25	1.5	2.0	1.5	2.0	NA(1)	2.0	NA(1)	1.8	1-8 am	1.7
26	1.5	1.5	2.0	2.5	10 PM	2.5	10 PM	1.6	5-12 M	1.5
27	1.5	1.5	1.0	2.0	1 am	2.0	1 am	1.6	1-8 am	1.3
28	1.0	0.5	0.5	1.0	NA(1)	1.0	NA(1)	0.7	9- 4 pm	0.5
29	0.5	0.5	0	0.5	NA(1)	0.5	NA(1)	0.5	NA(1)	0.4
30	0.5	0.5	1.0	1.0	NA(1)	1.0	NA(1)	0.7	5-12 M	0.6
31	0.5	0.5	0.5	0.5	NA(1)	0.5	NA(1)	0.5	NA(1)	0.5

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

CARBON MONOXIDE (CO)

Continuous Air Monitoring Station
Lane Regional Air Pollution Authority Building

1970

Month	1 Hour (ppm)		8 Hour (ppm)		24 Hour (ppm)	
	Max. Average	Monthly Ave.	Max. Average	Monthly Ave.	Max. Average	Monthly Ave.
July	2.5	1.6	2.2	1.5	1.4	1.0
August	2.5	1.9	2.1	1.5	1.8	1.3
September	3.5	1.8	2.4	1.4	1.9	1.1
October	3.0	1.3	2.3	1.0	1.7	0.7
November	5.5	1.9	2.2	1.2	1.6	0.9
December	2.5	1.5	1.8	1.1	1.7	0.9

Carbon Monoxide (CO)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Lane County Courthouse - East 8th near Oak

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.
1					5.5	2:45	2.5	1:55				
2					13.5	1:15	3.0	1:15	4.5	1:30	3.5	1:10
3			2.5	3:00	2.0	2:15			3.5	1:40		
4					1.5	2:30			5.5	1:55		
5			4.0	2:00			4.0	1:30	5.5	1:30		
6			3.0	2:10			2.5	1:55	5.5	1:35		
7							3.5	1:15			3.0	1:20
8					4.5	3:00	2.5	1:15				
9					4.0	2:00	5.5	1:15	9.5	1:25	5.5	1:05
10			5.0	3:45	10.0	2:00			7.0	1:30		
11			3.0	2:15	3.0	1:15						
12			3.5	2:05			1.5	1:05	3.0	2:30		
13			2.5	2:30			2.5	1:25	3.0	1:15		
14			2.5	1:30	4.5	2:00	4.0	1:55			4.5	1:45
15					5.0	1:45						
16					2.5	2:15	4.0	2:10	2.5	1:25	4.5	1:45
17			4.0	1:45	3.0	2:00			4.5	1:20		
18			3.0	3:00	3.5	2:15			6.0	1:40	4.0	1:35
19			5.0	2:15			7.0	1:45	4.0	1:10		
20			5.0	3:00			4.0	1:25	6.0	1:30		
21			4.0	2:00	3.5	2:15						
22					3.5	2:00	0.5	1:30				
23					6.0	2:20	3.0	1:15	8.5	1:50		
24			3.0	2:00					3.0	1:15		
25			2.0	1:45	1.5	2:00			5.5	1:40		
26							6.0	1:20				
27							1.0	1:10				
28					3.5	1:35	3.5	2:20			2.5	1:15
29							3.0	1:40				
30					3.0	2:20	7.0	1:30	4.0	1:35		
31			3.0	2:00							2.5	1:55

Carbon Monoxide (CO)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Eugene Uptown-Willamette near 11th St.

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.
1							2.5	2:10				
2							3.5	1:30	3.5	2:00	1.5	1:30
3									5.5	1:55		
4									3.5	2:10		
5							2.0	1:40	3.0	1:45		
6							2.0	2:05	3.0	1:55		
7							1.5	1:30			3.0	1:45
8							2.0	1:30				
9							4.5	1:30	5.0	2:20	5.0	1:30
10									5.5	1:45		
11												
12							3.0	1:20	2.0	2:45		
13							2.5	1:40	4.5	1:30		
14											3.0	2:10
15							3.0	1:30				
16							4.0	2:25	1.5	1:35	4.0	2:15
17									3.0	1:30		
18									3.0	2:00	4.0	2:00
19							4.0	2:00	2.5	1:30		
20							3.0	1:40	3.0	1:45		
21							1.5	1:45				
22							1.0	1:50				
23							2.0	1:45	3.0	2:05		
24									3.0	1:30		
25									1.5	2:00		
26							1.5	1:45				
27							2.0	1:50				
28							4.0	2:30			1.5	1:45
29							3.0	2:00				
30							3.5	1:50	4.0	1:50		
31											2.5	2:25

Carbon Monoxide (CO)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Springfield Fire Department-North A near 4th

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.
1					3.5	1:45	2.0	3:00				
2					2.5	12:45	3.5	1:50	3.0	2:30	2.0	2:00
3					2.0	3:00			2.5	2:30		
4					9.0	3:15			3.0	3:15		
5							1.5	2:30	4.0	2:15		
6							1.0	2:35	4.0	2:25		
7							0.5	2:30			2.0	2:40
8					2.5	3:30	2.0	2:05				
9					2.0	2:45	3.0	2:05	5.5	3:25	5.5	2:50
10			3.0	3:00	2.0	2:30			10.0	2:15		
11			2.5	1:40	2.0	2:00						
12			2.0	3:10			1.0	2:10	1.5	3:20		
13			2.0	3:20			2.0	2:10	2.0	2:00		
14			1.7	2:15			3.0	2:45			2.5	2:55
15							2.0	2:15				
16									1.5	2:15	3.0	2:55
17			1.5	2:30	2.5	2:50			3.5	2:20		
18			2.5	2:45	2.0	3:10			1.5	2:35	4.5	2:55
19			2.5	3:00			4.0	2:30	2.5	2:10		
20			3.0	2:30			2.0	2:10	3.5	2:20		
21			3.5	2:45	3.5	3:15	2.0	2:35				
22					2.0	2:50	1.0	2:35				
23					1.5	3:10	2.0	3:05	5.0	2:45		
24			2.0	2:40					3.0	2:00		
25			2.0	2:20	2.0	2:45			5.0	2:50		
26							1.0	2:25				
27							2.0	2:25				
28					2.5	2:20	2.5	3:05			1.0	2:30
29							2.5	2:30				
30					4.5	3:15	3.5	2:30	2.5	2:25		
31			3.0	2:45							4.0	2:55

Carbon Monoxide (CO)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Springfield Downtown-Main near 6th

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.	ppm CO	P.M.
1					14.0	1:30	3.5	2:45				
2					3.0	12:30	13.0	2:00	12.0	2:15	7.0	1:55
3			2.5	3:30	2.5	2:45			13.0	2:15		
4			7.0	3:00	6.0	3:00			2.5	3:05		
5			12.0	2:30			9.0	2:20	5.5	2:00		
6			8.0	2:50			3.0	2:25	8.0	2:15		
7							2.5	2:20			5.0	2:30
8					7.0	3:15	8.0	1:57				
9					4.0	2:30	10.0	1:55	7.0	3:15	5.0	2:20
10			6.5	3:15	7.0	2:15			4.0	2:00		
11			11.5	1:35	7.5	1:45						
12			5.0	3:00			2.0	2:00	5.0	3:05		
13			4.0	3:05			7.5	2:00	6.0	1:50		
14			2.5	2:00	7.5	2:30	7.0	2:30			3.0	2:40
15					4.0	2:15	10.5	2:05				
15					3.5	2:45			11.0	2:00	5.5	2:00
17			6.5	2:15	3.0	2:30			6.5	2:10		
18			4.5	2:30	4.0	2:45			3.5	2:25	16.5	2:20
19			5.0	2:45			7.5	2:20	6.0	1:55		
20			4.5	2:15			4.5	2:00	5.5	2:10		
21			5.5	2:30	2.5	2:45	3.5	2:25				
22					3.0	2:30	5.5	2:20				
23					8.5	2:50	6.5	2:55	10.5	2:35		
24			2.0	2:30					2.5	2:45		
25			12.0	2:10	5.0	2:35			11.0	2:40		
26							6.5	2:10				
27							1.5	2:15				
28					4.5	2:10	7.0	2:55			3.0	2:15
29							8.0	2:20				
30					8.0	3:05	8.5	2:15	5.0	2:15		
31			4.5	2:30							7.5	2:45

CARBON MONOXIDE (CO)

Intermittent Air Sampling Stations

Grab Sampling Time: 10 min. Periods

1970

Sampling Station Location	Station Classification	Concentration Levels (ppm)	Number of Mid-afternoon Grab Samples at the Specified Concentration					
			July	August	September	October	November	December
Lane Co. Courthouse 8th near Oak	Mobile PGLMS	0 - 4	-	13	14	16	9	7
		5 - 9	-	3	3	4	9	1
		10 - 14	-	0	2	0	0	0
		15 - 19	-	0	0	0	0	0
		20 - 25	-	0	0	0	0	0
Eugene Uptown Willamette near 11th	Mobile PGLMS	0 - 4	-	-	-	21	15	7
		5 - 9	-	-	-	0	3	1
		10 - 14	-	-	-	0	0	0
		15 - 19	-	-	-	0	0	0
		20 - 25	-	-	-	0	0	0
Springfield Fire Dept. A near 4th	Mobile PGLMS	0 - 4	-	13	15	21	14	7
		5 - 9	-	0	1	0	3	1
		10 - 14	-	0	0	0	1	0
		15 - 19	-	0	0	0	0	0
		20 - 25	-	0	0	0	0	0
Springfield Downtown Main near 6th	Mobile PGLMS	0 - 4	-	7	10	7	4	2
		5 - 9	-	7	8	11	9	5
		10 - 14	-	3	1	3	5	0
		15 - 19	-	0	0	0	0	1
		20 - 25	-	0	0	0	0	0

PGLMS = Primary Ground Level Monitoring Station

Hydrocarbon Stations

Field Sampling Method: Flame Ionization Detector Analyzer

1970

Continuous Air Monitoring Station

City	Field Station Area	Field Station Site	Type of Station	Primary Purpose	Station No.
---	Rural	LRAPA Bldg., Airport	PAMS	Surveillance	20-00-33

Intermittent Air Sampling Stations

City	Field Station Area	Field Station Site	Type of Station	Primary Purpose	Station No.
Eugene	Commercial	Lane Co. Courthouse East 8th near Oak	Mobile PGLMS	Surveillance	20-18-51
	Commercial	Eugene Uptown Willamette near 11th	Mobile PGLMS	Surveillance	20-18-52
Springfield	Commercial	Springfield Fire Dept. North A near 4th	Mobile PGLMS	Surveillance	20-33-50
	Commercial	Springfield Downtown Main near 6th	Mobile PGLMS	Surveillance	20-33-51

PAMS = Primary Air Mass Station

PGLMS = Primary Ground Level Monitoring Station

HYDROCARBON (HC)
 CONTINUOUS AIR MONITORING STATION
 LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING
 July 1970

Day	Ave. ppm HC at Specific Hours			Ave. Max. ppm HC During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16 *	-	-	1.1	1.2	NA(1)	1.2	NA(1)	1.1	5-12 M	NA(2)
17	1.0	1.6	1.6	1.9	6 pm	1.9	6 pm	1.6	5-12 M	NA(2)
18	1.3	1.5	1.6	1.6	NA(1)	1.6	NA(1)	1.6	5-12 M	1.4
19	1.2	1.5	1.5	1.6	NA(1)	1.6	NA(1)	1.5	5-12 M	1.3
20	-	-	-	1.5	5 am	1.5	5 am	NA(2)	NA(2)	NA(2)
21	-	0.8	0.9	0.9	NA(1)	0.9	NA(1)	0.9	5-12 M	NA(2)
22	0.4	1.3	1.4	2.3	1 pm	1.8	2 pm	1.5	5-12 M	0.8
23	1.6	1.4	1.5	1.6	10 am	1.5	NA(1)	1.3	NA(1)	1.3
24	1.0	1.4	1.7	7.3	8 pm	1.7	NA(1)	1.5	5-12 M	0.8
25	1.1	1.4	-	1.4	NA(1)	1.4	NA(1)	1.1	1-8 am	NA(2)
26	-	-	-	-	-	-	-	-	-	-
27	0.5	1.0	0.6	3.7	1 pm	2.0	1 pm	1.0	9-4 pm	NA(2)
28	0.5	0.6	0.8	0.8	NA(1)	0.8	NA(1)	0.8	5-12 M	0.6
29	1.0	1.4	1.3	2.1	12 Noon	1.6	1 pm	1.3	NA(1)	1.1
30	1.0	1.0	0.4	2.3	7 am	1.4	7 am	1.0	9-4 pm	0.7
31	0.6	1.0	0.7	1.0	3 pm	1.0	3 pm	0.7	NA(1)	0.5

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

HYDROCARBON (HC)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

August 1970

Day	Ave. ppm HC at Specific Hours			Ave. Max ppm HC During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 Min. Time	1 Hour Time	8 Hour Time				
1	0.3	0.4	0.5	0.5	NA(1)	0.5	NA(1)	0.5	5-12 Mdnt.	0.4
2	0.3	0.4	0.5	2.5	7 PM	1.7	7 PM	0.4	9-4 PM	NA(2)
3	0.7	0.7	0.9	2.2	4 PM	1.0	9 AM	0.9	5-12 Mdnt.	NA(2)
4	0.5	0.5	2.2	3.5	8 PM	2.2	8 PM	1.4	5-12 Mdnt.	0.9
5	2.1	1.4	0.3	3.4	12 Noon	3.0	11 AM	1.6	9-4 PM	NA(2)
6	1.1	1.0	1.1	1.1	NA(1)	1.1	NA(1)	1.1	5-12 Mdnt.	NA(2)
7	0.7	1.0	0.6	1.1	NA(1)	1.1	NA(1)	1.0	1-8 AM	0.5
8	0.7	1.5	0.3	1.5	3 PM	1.5	3 PM	1.0	9-4 PM	0.7
9	0	0.2	0.1	2.3	1 PM	0.8	12 Noon	0.3	9-4 PM	0.1
10	1.5	1.2	1.0	2.4	2 PM	1.5	NA(1)	1.1	9-4 PM	0.7
11	0.8	1.5	0.9	1.5	3 PM	1.5	3 PM	1.0	NA(1)	1.0
12	0.3	1.0	0.8	2.5	4 PM	1.1	NA(1)	0.8	NA(1)	0.8
13	1.1	1.2	1.1	1.4	NA(1)	1.4	NA(1)	1.2	9-4 PM	0.9
14	0.9	1.0	0.4	1.2	12 Noon	1.2	12 Noon	0.8	1-8 AM	0.6
15	0.4	0.4	0.5	0.9	7 AM	0.9	7 AM	0.5	9-4 PM	0.4
16	0.1	0.4	0.3	0.5	NA(1)	0.5	NA(1)	0.3	5-12 Mdnt.	0.2
17	-	1.1	1.0	1.3	6 PM	1.3	6 PM	1.1	5-12 Mdnt.	NA(2)
18	1.2	1.4	1.8	2.1	8 PM	1.8	8 PM	1.6	5-12 Mdnt.	1.3
19	1.5	2.8	1.9	3.0	3 PM	2.8	3 PM	1.8	NA(1)	1.6
20	1.3	2.0	0.6	2.0	3 PM	2.0	3 PM	1.6	9-4 PM	1.2
21	1.5	1.4	1.6	2.5	10 PM	1.8	10 PM	1.6	5-12 Mdnt.	NA(2)
22	1.1	1.6	1.6	1.7	NA(1)	1.7	NA(1)	1.5	5-12 Mdnt.	1.3
23	1.0	1.2	1.0	1.2	NA(1)	1.2	NA(1)	1.1	9-4 PM	1.0
24	-	-	-	0.9	NA(1)	0.9	NA(1)	0.9	1-8 AM	NA(2)
25										
26										
27										
28										
29										
30										
31										

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period

HYDROCARBON (HC)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

September, 1970

Day	Ave. ppm HC at Specific Hours			Ave. Max ppm HC During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 Min.	Time	1 Hour	Time	8 Hour	Time	
1	-	2.1	1.5	2.1	3 pm	2.1	3 pm	1.4	5-12 M	NA(2)
2	1.8	1.9	1.6	2.2	12 N	2.2	12 N	1.9	9-4 pm	1.5
3	-	-	-	NA(2)	-	NA(2)	-	NA(2)	-	NA(2)
4	1.9	1.9	1.2	2.1	9 am	2.1	9 am	1.9	9-4 pm	1.6
5	1.1	1.1	0.9	1.1	NA(1)	1.1	NA(1)	1.1	9-4 pm	1.0
6	0.9	0.9	0.9	1.0	NA(1)	1.0	NA(1)	1.0	5-12 M	0.9
7	1.1	1.4	1.2	1.4	3 pm	1.4	3 pm	1.2	5-12 M	1.1
8	1.2	1.5	0.9	1.5	3 pm	1.5	3 pm	1.2	NA(1)	1.1
9	0.8	1.1	1.1	1.2	NA(1)	1.2	NA(1)	1.1	5-12 M	1.0
10	0.8	1.8	0.6	2.3	7 am	1.8	NA(1)	1.4	9-4 pm	1.1
11	0.9	1.1	1.1	1.7	4 am	1.7	4 am	1.0	Na(1)	0.8
12	1.0	0.5	0.4	1.0	NA(1)	1.0	NA(1)	0.9	1-8 am	0.7
13	0.6	0.9	0.8	1.2	12 M	1.2	12 M	0.9	5-12 M	0.7
14	3.1	2.2	1.7	>10.0	NA(1)	>10.0	11 am	>2.7	9-4 pm	>1.6
15	1.5	1.3	3.3	5.7	7 pm	4.2	7 pm	2.8	5-12 M	1.7
16	2.0	1.9	2.6	9.2	2 pm	3.2	2' pm	2.4	5-12 M	2.3
17	2.0	1.8	2.3	2.9	5 pm	2.8	12 M	2.4	5-12 M	2.1
18	1.8	0.9	0.9	39.0	1 pm	19.3	1 pm	4.0	9-4 pm	2.4
19	1.2	1.3	1.2	1.4	8 am	1.4	8 am	1.3	9-4 pm	1.2
20	1.2	1.4	1.2	1.5	2 pm	1.5	2 pm	1.3	9-4 pm	1.2
21	1.5	1.2	1.4	2.1	2 am	1.9	2 am	1.4	1-8 am	1.3
22	1.2	1.1	1.2	1.4	12 N	1.4	12 N	1.2	NA(1)	1.2
23	0.9	1.3	1.4	1.9	7 pm	1.9	7 pm	1.5	5-12 M	1.2
24	1.2	1.0	1.2	2.4	9 am	2.4	9 am	1.6	1-8 am	1.4
25	1.3	1.2	1.3	1.7	9 am	1.7	9 am	1.6	1-8 am	1.4
26	1.5	2.1	1.7	2.3	NA(1)	2.3	NA(1)	2.0	5-12 M	1.7
27	1.8	2.2	1.8	2.4	NA(1)	2.4	NA(1)	2.1	NA(1)	1.9
28	4.3	3.3	3.8	41.0	9 am	30.0	9 am	6.5	9-4 pm	3.8
29	2.3	1.6	1.9	3.1	10 am	2.5	11 am	2.1	9-4 pm	2.0
30	2.5	2.4	1.9	3.9	5 pm	3.5	5 pm	2.5	9-4 pm	2.0
31										

NA(1) - Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) - Not applicable since instrument was not recording data continuously during 24 hour period.

HYDROCARBON (HC)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

October 1970

Day	Ave. ppm HC at Specific Hours			Ave. Max ppm HC During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 Min.	Time	1 Hour	Time	8 Hour	Time	
1	1.3	1.6	1.1	1.9	12 M	1.6	12 M	1.5	1-8 am	1.4
2	7.0	2.5	1.9	12.5	10 am	7.0	10 am	3.2	9-4 pm	2.1
3	1.5	1.9	1.3	1.9	3 pm	1.9	3 pm	1.6	9-4 pm	1.4
4	1.0	1.1	1.2	1.2	NA(1)	1.2	NA(1)	1.1	5-12 M	1.0
5	0.9	2.3	1.9	2.3	NA(1)	2.3	NA(1)	1.9	5-12 M	1.5
6	1.6	0.7	1.8	2.0	NA(1)	2.0	NA(1)	1.9	1-8 am	1.7
7	1.9	1.3	1.0	2.5	12 N	2.4	11 am	1.9	1-8 am	1.5
8	3.0	1.9	1.8	3.0	10 am	3.0	10 am	2.2	9-4 pm	1.7
9	1.7	1.3	1.0	2.5	8 am	2.2	8 am	1.6	1-8 am	1.4
10	1.0	1.2	1.2	1.6	NA(1)	1.6	NA(1)	1.2	9-4 pm	1.1
11	1.3	1.3	1.0	1.8	1 pm	1.8	1 pm	1.4	9-4 pm	1.1
12	1.2	2.0	2.0	5.5	2 pm	2.7	2 pm	2.0	5-12 M	1.5
13	2.3	1.3	1.1	2.8	8 am	2.8	8 am	2.3	1-8 am	1.8
14	1.5	-	1.0	1.7	9 am	1.7	9 am	1.1	1-8 am	NA(2)
15	1.3	1.7	1.5	3.9	3 pm	1.9	12 N	1.6	NA(1)	1.3
16	1.4	1.1	1.1	1.5	1 am	1.5	1 am	1.3	1-8 am	1.2
17	1.0	1.2	1.2	1.2	NA(1)	1.2	NA(1)	1.2	5-12 M	1.1
18	1.0	1.1	1.0	1.4	10 pm	1.4	10 pm	1.2	5-12 M	1.1
19	1.8	1.5	1.7	2.1	12 M	2.1	12 M	1.8	5-12 M	1.5
20	1.1	1.0	1.2	1.8	3 am	1.8	3 am	1.7	1-8 am	1.3
21	1.2	1.1	1.2	1.2	NA(1)	1.2	NA(1)	1.2	NA(1)	1.1
22	0.9	0.9	1.0	1.2	NA(1)	1.2	NA(1)	1.1	1-8 am	1.0
23	0.6	1.4	1.3	1.7	12 N	1.7	12 N	1.3	5-12 M	1.2
24	1.1	1.1	1.1	1.4	10 pm	1.4	10 pm	1.2	NA(1)	1.2
25	1.1	1.0	1.2	1.2	NA(1)	1.2	NA(1)	1.1	NA(1)	1.1
26	1.4	1.3	1.5	1.6	NA(1)	1.6	NA(1)	1.5	5-12 M	1.4
27	1.6	0.9	1.0	1.6	NA(1)	1.6	NA(1)	1.5	1-8 am	1.2
28	1.6	1.3	1.5	3.4	2 am	2.5	2 am	1.5	NA(1)	1.5
29	1.2	0.7	1.0	4.8	3 am	2.3	NA(1)	2.1	1-8 am	1.3
30	1.7	1.3	1.7	2.0	12 M	2.0	12 M	1.6	5-12 M	1.4
31	1.7	1.7	1.6	1.7	NA(1)	1.7	NA(1)	1.7	9-4 pm	1.6

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

HYDROCARBON (HC)
CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

November 1970

Day	Ave. ppm HC at Specific Hours			Ave. Max ppm HC During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 Min.	Time	1 Hour	Time	8 Hour	Time	
1	1.5	1.6	1.9	2.0	9 PM	2.0	9 PM	1.7	5-12 M	1.6
2	3.2	1.9	1.9	3.2	10 AM	3.2	10 AM	2.2	9-4 PM	2.0
3	2.5	1.8	2.0	4.4	6 AM	3.0	6 AM	2.3	1-8 AM	2.1
4	2.1	1.6	1.2	5.4	8 AM	3.3	8 AM	2.1	1-8 AM	1.6
5	0.8	0.5	0.6	1.5	NA(1)	1.5	NA(1)	1.5	1-8 AM	0.9
6	1.3	1.4	1.3	1.4	NA(1)	1.4	NA(1)	1.3	5-12 M	1.1
7	1.5	1.5	2.0	2.1	7 PM	2.1	7 PM	1.8	5-12 M	1.6
8	1.5	1.5	1.6	2.1	5 PM	2.1	5 PM	1.7	5-12 M	1.6
9	1.1	1.4	2.1	2.1	NA(1)	2.1	NA(1)	1.7	5-12 M	1.4
10	1.6	1.4	1.9	2.1	7 PM	2.1	7 PM	1.7	5-12 M	1.6
11	1.5	1.5	1.6	1.6	NA(1)	1.6	NA(1)	1.6	NA(1)	1.6
12	1.0	1.7	1.8	3.1	12 N	2.3	12 N	1.9	5-12 M	1.7
13	0.3	1.1	1.2	1.9	NA(1)	1.9	NA(1)	1.9	1-8 AM	1.3
14	1.2	1.1	1.9	1.9	8 PM	1.9	8 PM	1.3	NA(1)	1.3
15	1.0	1.0	1.0	1.5	6 AM	1.5	6 AM	1.3	1-8 AM	1.1
16	0.5	1.4	1.5	1.7	NA(1)	1.7	NA(1)	1.5	5-12 M	1.2
17	1.4	1.5	1.6	1.7	10 PM	1.7	10 PM	1.5	NA(1)	1.5
18	1.3	1.3	1.2	1.5	9 AM	1.5	9 AM	1.4	1-8 AM	1.3
19	1.2	1.3	1.3	1.4	NA(1)	1.4	NA(1)	1.3	NA(1)	1.3
20	0.8	1.7	1.6	2.0	2 PM	2.0	2 PM	1.7	5-12 M	1.5
21	2.2	1.9	1.9	2.8	9 AM	2.8	9 AM	2.1	9-4 PM	2.0
22	1.8	1.9	1.9	1.9	NA(1)	1.9	NA(1)	1.9	NA(1)	1.9
23	0.6	1.2	1.0	1.9	NA(1)	1.9	NA(1)	1.9	1-8 AM	1.3
24	1.3	1.6	1.5	4.8	9 AM	3.5	9 AM	1.8	9-4 PM	1.4
25	2.0	1.0	1.5	5.7	9 AM	2.5	9 AM	1.5	NA(1)	1.5
26	1.5	1.5	1.5	1.6	NA(1)	1.6	NA(1)	1.5	NA(1)	1.5
27	1.5	1.6	1.8	1.9	NA(1)	1.9	NA(1)	1.8	5-12 M	1.6
28	5.0	1.3	1.9	8.0	10 AM	5.0	10 AM	2.0	5-12 M	1.8
29	1.2	1.3	1.3	2.3	NA(1)	2.3	NA(1)	1.6	1-8 AM	1.4
30	7.4	0.5	1.5	9.8	11 AM	8.2	11 AM	3.3	9-4 PM	2.0
31										

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period

CONTINUOUS AIR MONITORING STATION
LANE REGIONAL AIR POLLUTION AUTHORITY BUILDING

December 1970

Day	Ave. ppm HC at Specific Hours			Ave. Max. ppm HC During 24 Hours						24 Hour Ave.
	10 AM	3 PM	8 PM	5 min.	Time	1 Hour	Time	8 Hour	Time	
1	9.0	1.2	1.2	12.0	11 AM	12.0	11 AM	4.3	9-4 PM	2.3
2	1.3	3.1	1.3	8.5	3 PM	5.6	2 PM	2.1	9-4 PM	1.5
3	1.2	0.9	1.1	1.3	NA(1)	1.3	NA(1)	1.3	1-8 AM	1.2
4	1.3	1.7	1.7	5.6	9 AM	2.1	9 AM	1.7	5-12 M	1.4
5	1.8	1.7	1.7	1.9	2 AM	1.9	2 AM	1.8	1-8 AM	1.7
6	1.7	1.7	1.7	1.8	NA(1)	1.8	NA(1)	1.7	NA(1)	1.7
7	1.6	1.6	1.6	2.2	9 PM	1.9	11 PM	1.7	NA(1)	1.7
8	1.5	2.0	1.9	3.7	3 PM	2.1	12 M	2.0	5-12 M	1.9
9	1.7	1.3	1.4	3.2	8 AM	2.5	8 AM	2.1	1-8 AM	1.6
10	1.3	1.3	1.3	1.5	9 AM	1.5	9 AM	1.4	9-4 PM	1.3
11	1.6	0.8	1.1	2.0	9 AM	2.0	9 AM	1.4	1-8 AM	1.3
12	1.5	1.5	1.5	1.6	2 AM	1.6	2 AM	1.5	NA(1)	1.5
13	1.8	1.5	1.5	1.8	NA(1)	1.8	NA(1)	1.7	9-4 PM	1.6
14	1.4	1.3	1.4	1.5	NA(1)	1.5	NA(1)	1.4	NA(1)	1.4
15	1.4	1.4	1.3	1.5	NA(1)	1.5	NA(1)	1.4	NA(1)	1.4
16	1.5	1.4	1.4	1.7	NA(1)	1.7	NA(1)	1.5	9-4 PM	1.4
17	1.6	1.6	2.1	3.0	7 PM	2.1	8 PM	1.8	5-12 M	1.6
18	1.6	1.5	1.6	1.7	NA(1)	1.7	NA(1)	1.6	NA(1)	1.6
19	1.6	1.5	1.5	1.7	NA(1)	1.7	NA(1)	1.6	1-8 AM	1.5
20	1.5	1.8	1.9	1.9	NA(1)	1.9	NA(1)	1.7	5-12 M	1.6
21	1.6	2.3	2.3	2.5	NA(1)	2.5	NA(1)	2.4	5-12 M	2.2
22	2.2	2.1	2.5	2.5	NA(1)	2.5	NA(1)	2.3	NA(1)	2.2
23	2.2	1.8	0.8	2.3	11 AM	2.3	11 AM	2.1	1-8 AM	1.7
24	1.7	1.3	1.3	1.8	12 M	1.8	12 M	1.5	5-12 M	1.2
25	1.4	1.5	1.4	1.7	NA(1)	1.7	NA(1)	1.6	1-8 AM	1.5
26	1.3	1.3	1.5	1.9	10 PM	1.9	10 PM	1.5	5-12 M	1.4
27	1.3	1.4	1.4	1.6	1 AM	1.6	1 AM	1.4	NA(1)	1.4
28	1.5	1.4	1.3	1.5	NA(1)	1.5	NA(1)	1.4	9-4 PM	1.3
29	1.3	1.3	1.2	1.4	NA(1)	1.4	NA(1)	1.4	1-8 AM	1.3
30	1.2	1.2	1.1	1.2	NA(1)	1.2	NA(1)	1.2	NA(1)	1.2
31	0.7	0.7	0.8	1.2	NA(1)	1.2	NA(1)	1.2	1-8 AM	0.9

NA(1) = Not applicable due to max. concentration level continuing longer than time indicated.

NA(2) = Not applicable since instrument was not recording data continuously during 24 hour period.

HYDROCARBON (HC)

Continuous Air Monitoring Station

Lane Regional Air Pollution Authority Building

1970

Month	1 Hour (ppm)		8 Hour (ppm)		24 Hour (ppm)	
	Max. Average	Monthly Ave.	Max. Average	Monthly Ave.	Max. Average	Monthly Ave.
July	2.0	1.5	1.6	1.2	1.4	0.9
August	3.0	1.4	1.8	1.1	1.6	0.8
September	30.0	3.8	6.5	1.9	3.8	1.5
October	7.0	2.0	3.2	1.6	2.1	1.4
November	8.2	2.5	3.3	1.8	2.1	1.5
December	12.0	2.3	4.3	1.7	2.3	1.5

Hydrocarbon (HC)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Lane County Courthouse-East 8th near Oak

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppmHC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.
1							2.8	1:55				
2							3.7	1:15	4.7	1:30	2.6	1:10
3			2.3	3:00					3.9	1:40		
4			2.6	2:30					4.0	1:55		
5			3.0	2:00			3.9	1:30	2.6	1:30		
6			2.7	2:10			3.3	1:55	3.3	1:35		
7							3.2	1:15			3.2	1:20
8					23.0	3:00	3.5	1:15				
9					17.0	2:00	3.2	1:15	4.1	1:25	3.1	1:05
10			4.1	3:45	10.0	2:00			3.5	1:30		
11			2.2	2:15	18.0	1:15						
12			2.7	2:05			2.9	1:05	3.5	2:30		
13			2.7	2:30			2.6	1:25	2.7	1:15		
14			2.5	1:30	19.0	2:00	2.8	1:55			3.3	1:45
15					11.0	1:45	3.5	1:15				
16					13.0	2:15	3.0	2:10	2.7	1:25	3.3	1:45
17			3.0	1:45	6.5	2:00			3.3	1:20		
18			2.4	3:00	4.1	2:15			3.7	1:40	3.7	1:35
19			3.2	2:15			3.7	1:45	3.1	1:10		
20			2.8	3:00			2.8	1:25	2.5	1:30		
21			3.2	2:00	4.3	2:15	3.3	1:30			5.9	1:20
22					3.9	2:00						
23					3.4	2:20	3.2	1:15	4.3	1:50	4.3	1:10
24									3.0	1:15		
25					4.1	2:00			3.5	1:40		
26							3.4	1:20				
27							2.2	1:10				
28					6.1	1:35	2.9	2:20			2.5	1:15
29							2.1	1:40				
30					4.1	2:20	2.9	1:30	2.9	1:35		
31											2.4	1:55

Hydrocarbon (HC)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Eugene Uptown- Willamette near 11th

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.
1							2.9	2:10				
2							3.8	1:30	3.7	2:00	2.2	1:30
3									3.4	1:55		
4									2.8	2:10		
5							3.4	1:40	1.9	1:45		
6							2.9	2:05	2.6	1:55		
7							2.7	1:30			3.5	1:45
8							3.1	1:30				
9							3.0	1:30	2.4	2:20	2.8	1:30
10									4.2	1:45		
11												
12							3.1	1:20	2.8	2:45		
13							2.2	1:40	2.5	1:30		
14							2.2	2:10			2.3	2:10
15							2.8	1:30				
16							3.2	2:25	2.5	1:35	3.0	2:15
17									3.0	1:30		
18									2.6	2:00	3.6	2:00
19							3.4	2:00	2.8	1:30		
20							2.4	1:40	3.1	1:45		
21							2.3	1:45			6.1	1:55
22							1.9	1:50				
23							2.6	1:45	2.4	2:05	5.0	1:45
24									2.7	1:30		
25									2.7	2:00		
26							2.3	1:45				
27							1.7	1:50				
28							2.4	2:30			2.4	1:45
29							1.9	2:00				
30							2.6	1:50	2.7	1:50		
31											2.1	2:25

Hydrocarbon (HC)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Springfield Fire Department-North A near 4th

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.
1							2.6	3:00				
2							3.2	1:50	4.1	2:30	2.5	2:00
3									3.1	2:30		
4									2.5	3:15		
5							3.4	2:30	2.5	2:15		
6							2.7	2:35	2.7	2:25		
7							2.1	2:30			2.9	2:40
8					4.0	3:30	2.9	2:05				
9					7.0	2:45	2.5	2:05	3.1	3:25	3.5	2:50
10			2.2	3:00	7.5	2:30			3.8	2:15		
11			2.3	1:40	6.0	2:00						
12			2.5	3:10			2.6	2:10	3.2	3:20		
13			4.1	3:20			1.9	2:10	2.2	2:00		
14			2.3	2:15			2.1	2:45			2.6	2:55
15							2.6	2:15				
16									2.5	2:15	3.5	2:55
17			2.5	2:30	4.5	2:50			2.9	2:20		
18			2.4	2:45	2.4	3:10			2.4	2:35	3.0	2:55
19			2.6	3:00			3.6	2:30	2.8	2:10		
20			2.6	2:30			2.1	2:10	3.1	2:20		
21			2.8	2:45	3.3	3:15	2.2	2:35			5.5	2:30
22					2.4	2:50	2.0	2:35				
23					2.3	3:10	2.5	3:05	2.8	2:45	3.8	2:15
24									2.5	2:00		
25					2.9	2:45			3.2	2:50		
26							2.2	2:25				
27							1.5	2:25				
28					4.1	2:20	2.4	3:05			2.4	2:30
29							1.5	2:30				
30					3.5	3:15	2.4	2:30	2.5	2:25		
31											2.2	2:55

Hydrocarbon (HC)
Intermittent Air Sampling Station
Grab Sampling Time: 10 min. Periods
Springfield Downtown-Main near 6th

1970

Day	July		Aug.		Sept.		Oct.		Nov.		Dec.	
	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.	ppm HC	P.M.
1							3.2	2:45				
2							7.2	2:00	5.5	2:15	3.4	1:55
3			2.6	3:30					5.2	2:15		
4			4.0	3:00					2.8	3:05		
5			4.7	2:30			4.6	2:20	2.1	2:00		
6			3.7	2:50			3.2	2:25	3.8	2:15		
7							3.2	2:20			3.3	2:30
8					18.5	3:15	4.6	1:57				
9					14.0	2:30	3.9	1:55	3.0	3:15	3.2	2:20
10			3.7	3:15	25.0	2:15			3.9	2:00		
11			4.2	1:35	10.0	1:45						
12			3.5	3:00			3.3	2:00	5.2	3:05		
13			3.5	3:05			3.3	2:00	3.0	1:50		
14			2.4	2:00	11.0	2:30	3.6	2:30			2.4	2:40
15					7.2	2:15	4.3	2:05				
16					12.0	2:45			3.5	2:00	3.2	2:40
17			3.3	2:15	5.1	2:30			3.9	2:10		
18			3.1	2:30	3.1	2:45			2.6	2:25	5.0	2:40
19			3.2	2:45			3.9	2:20	4.1	1:55		
20			2.7	2:15			2.5	2:00	3.7	2:10		
21			3.1	2:30	3.5	2:45	2.3	2:25			6.1	2:15
22					3.5	2:30	2.5	2:20				
23					3.6	2:50	3.2	2:55	3.2	2:35	6.0	2:00
24									6.5	2:45		
25					4.6	2:35			4.1	2:40		
26							3.4	2:10				
27							2.0	2:15				
28					5.5	2:10	3.6	2:55			2.5	2:15
29							2.4	2:20				
30					6.3	3:05	3.5	2:15	2.8	2:15		
31											3.0	2:45

HYDROCARBON (HC)
Intermittent Air Sampling Stations
Grab Sampling Time: 10 min. Periods

1970

Sampling Station Location	Station Classification	Concentration Levels (ppm)	July	August	September	October	November	December
Lane Co. Courthouse 8th near Oak	Mobile PGLMS	0 - 4	-	14	6	21	18	9
		5 - 9	-	0	2	0	0	1
		10 - 14	-	0	3	0	0	0
		15 - 19	-	0	3	0	0	0
		20 - 25	-	0	1	0	0	0
Eugene Uptown Willamette near 11th	Mobile PGLMS	0 - 4	-	-	-	22	18	8
		5 - 9	-	-	-	0	0	2
		10 - 14	-	-	-	0	0	0
		15 - 19	-	-	-	0	0	0
		20 - 25	-	-	-	0	0	0
Springfield Fire Dept. A near 4th	Mobile PGLMS	0 - 4	-	10	9	21	18	9
		5 - 9	-	0	3	0	0	1
		10 - 14	-	0	0	0	0	0
		15 - 19	-	0	0	0	0	0
		20 - 25	-	0	0	0	0	0
Springfield Downtown Main near 6th	Mobile PGLMS	0 - 4	-	14	5	20	14	7
		5 - 9	-	0	4	1	4	3
		10 - 14	-	0	4	0	0	0
		15 - 19	-	0	1	0	0	0
		20 - 25	-	0	1	0	0	0

PGMS = Primary Ground Level Monitoring Station

METEOROLOGICAL DATA
EUGENE MAHLON SWEET AIRPORT

JULY 1970

Day	Wind Direction			Wind Speed (mph)			Visibility (miles)			Cloud Conditions	
	10am	3pm	8pm	10am	3pm	8pm	10am	3pm	8pm	Day	Evening
1	S	W	W	4.5	7	9	8	25	25	Broken	Broken
2	NW	NW	N	4.5	10.5	10.5	10	25	75	Clear	Clear
3	NE	SW	SW	4.5	4.5	13	15	25	40	Clear	Clear
4	NW	N	NW	11.5	14	10.5	25	25	75	Clear	Clear
5	NW	N	NW	10.5	15	13	40	40	75	Clear	Clear
6	N	NW	N	9	13	11.5	25	50	75	Clear	Scattered
7	N	N	N	9	15	10	25	35	40	Clear	Clear
8	N	N	NW	9	15	13	25	50	15	Clear	Clear
9	N	N	N	16	18	9	40	75	50	Clear	Clear
10	NW	N	W	7	6	8	40	75	75	Scattered	Broken
11	N	NW	NW	11.5	11.5	11.5	40	75	40	Broken	Overcast
12	N	N	NW	9	13	11.5	40	40	75	Scattered	Scattered
13	N	N	N	10.5	16	13	25	25	15	Scattered	Clear
14	N	N	NW	13	14	10.5	15	15	25	Clear	Clear
15	W	W	SW	6	14	14	15	20	20	Broken	Scattered
16	S	SW	W	10.5	6	13	15	25	25	Overcast	Broken
17	N	N	N	6	16	11.5	5	10	20	Ground Fog	Broken
18	N	SW	-	8	9	Calm	12	40	40	Scattered	Clear
19	N	N	N	8	9	11.5	15	40	40	Clear	Clear
20	N	NW	NW	4.5	13	11.5	20	25	25	Scattered	Broken
21	N	NW	N	11.5	13	13	25	40	40	Scattered	Clear
22	N	N	N	16	15	11.5	20	10	15	Scattered	Clear
23	N	N	NW	14	13	10.5	12	20	40	Clear	Broken
24	N	N	N	13	10.5	6	25	12	25	Broken	Broken
25	SW	W	SW	8	14	11.5	25	25	75	Broken	Broken
26	S	W	SW	9	14	9	25	25	75	Overcast	Scattered
27	S	N	-	6	4.5	Calm	20	2	25	Overcast	Overcast
28	W	N	NW	6	3.5	13	40	40	40	Broken	Broken
29	N	NW	NW	8	6	13	25	10	25	Clear	Scattered
30	NE	N	N	9	15	9	15	15	12	Clear	Broken
31	N	N	W	9	14	10.5	15	10	25	Broken	Broken

METEOROLOGICAL DATA

EUGENE MAHLON SWEET AIRPORT

August 1970

Day	Wind Direction			Wind Speed (mph)			Visibility (miles)			Average Daily Conditions
	10 am	3 pm	8 pm	10 am	3 pm	8 pm	10 am	3 pm	8 pm	
1	SW	S	SW	9	11.5	11.5	20	25	25	Mostly Clear
2	N	N	N	9	11.5	13	25	25	20	Overcast to Clear
3	N	NW	SW	7	6	7	15	20	20	Overcast to Clear Smoky PM
4	SW	W	N	3.5	14	9	8	12	10	Overcast
5	SW	W	SW	8	10.5	13	8	25	40	Overcast to Clear
6	Calm	W	W	Calm	17	14	25	40	30	Partly Cloudy
7	W	SW	NW	7	8	16	25	40	40	Partly Cloudy
8	N	N	N	15	23	11.5	20	10	15	Clear to Smoky in PM
9	N	N	N	9	14	14	10	25	25	Partly Cloudy, Smoky all day
10	N	N	N	16	10.5	11.5	20	10	15	Smoky all day
11	E	N	NW	3.5	17	13	12	6	25	Smoky
12	NW	N	NW	6	6	7	25	15	25	Smoky
13	N	N	N	15	17	13	15	10	25	Smoky
14	N	N	N	20	17	9	12	15	10	Smoky late PM
15	SE	W	SW	6	9	11.5	12	20	40	Clear
16	N	NE	NW	14	18	13	20	20	40	Smoky
17	N	NW	N	16	15	10.5	25	25	15	Clear
18	N	N	NW	11.5	15	11.5	12	25	20	Clear
19	N	N	W	3.5	14	7	7	4	15	Smoky - Overcast
20	N	N	N	7	15	11.5	12	15	20	Smoky
21	N	N	N	9	9	6	6	10	15	Smoky
22	S	SW	SW	9	11.5	10.5	10	10	20	Partly Cloudy
23	S	W	SW	7	14	16	10	40	40	Variable Cloud Cover
24	S	S	W	7	8	10.5	12	25	25	Smoky to NE
25	SW	N	N	4.5	8	8	12	6	10	AM Fog- PM Very Smoky
26	N	N	SW	14	9	9	6	15	15	Smoky to East
27	S	S	SW	7	4.5	13	8	12	15	Smoky to North and East
28	S	N	N	8	7	11.5	15	25	12	AM Fog & Smoke - PM Smoky
29	N	N	N	11.5	13	15	5	15	20	AM Fog and Smoke
30	Calm	W	SW	Calm	23	11.5	10	15	15	Partly Cloudy
31	S	S	SW	4.5	10.5	9	25	15	20	Smoky

METEOROLOGICAL DATA
EUGENE MAHLON SWEET AIRPORT

September 1970

Day	Wind Direction			Wind Speed (mph)			Visibility (miles)			Average Daily Conditions
	10 am	3 pm	8 pm	10 am	3 pm	8 pm	10 am	3 pm	8 pm	
1	NW	NW	NW	4.5	8	10.5	10	20	15+	Overcast, light rain AM
2	NW	SW	SW	4.5	6	7	25	20	15+	Mostly Clear, with smoke
3	SE	W	SW	13	9	7	5	10	15	Overcast with AM fog and smoke
4	SW	E	Calm	4.5	8	Calm	20	15	15+	Overcast with rain
5	S	S	SW	8	11.5	9	25	25	15+	Overcast
6	SW	S	S	10.5	18	11.5	25	25	15+	Overcast
7	NE	SE	SW	9	10.5	4.5	20	25	15+	Overcast
8	NE	N	N	9	8	8	40	20	15+	Mostly cloudy
9	N	N	N	16	17	8	12	30	15+	Mostly clear, early AM clouds
10	N	N	N	13	17	4.5	15	8	15+	Mostly clear with smoke
11	N	N	NW	14	17	10.5	20	20	10	Mostly clear with PM smoke
12	NE	N	N	9	23	11.5	40	40	10	Clear
13	N	N	S	10.5	17	4.5	25	25	15+	Clear, light smoke PM
14	S	W	Calm	10.5	14	Calm	20	40	10	Clear, smoky late PM
15	N	N	S	7	10.5	4.5	8	5	4	Broken Clouds, smoky all day
16	S	W	SW	7	9	8	7	15	15+	Early AM smoke with broken clouds
17	S	SW	SW	13	18	10.5	15	25	15+	Mostly cloudy
18	S	W	SW	10.5	13	7	15	25	15+	Mostly overcast
19	S	SW	S	10.5	11.5	8	25	15	15+	Overcast with intermittent lt. rain
20	S	S	S	16	13	18	8	15	15+	Overcast with light rain
21	Calm	N	NW	Calm	13	6	7	40	15+	Mostly cloudy, early AM fog
22	S	SW	W	9	11.5	9	25	20	15+	Mostly cloudy
23	N	NW	NW	14	14	18	35	50	15	Scattered clouds, Smoky late PM
24	N	N	N	11.5	16	8	25	40	15+	Partly cloudy AM, Fog & smoke
25	N	N	N	17	23	14	50	50	15+	Clear
26	N	N	NW	10.5	10.5	6	50	50	15+	Clear
27	SW	NE	S	4.5	8	6	15	25	15+	Clear
28	N	S	SE	4.5	8	7	6	10	10	Mostly cloudy & smoky
29	Calm	Calm	W	Calm	Calm	3.5	8	10	8	Mostly cloudy & smoky
30	NW	N	NW	4.5	7	8	4	8	5	AM fog & smoke & heavy smoke & haze all day.

METEOROLOGICAL DATA
EUGENE MAHLON SWEET AIRPORT

MONTHLY REPORT

October 1970

Day	Wind Direction			Wind Speed (mph)			Visibility (miles)			Average Daily Conditions
	10 am	3 pm	8 pm	10 am	3 pm	8 pm	10 am	3 pm	8 pm	
1	N	NE	NE	6	11	7	1.5	8	8	Haze AM, Smoky All Day
2	N	NE	N	5	8	5	3	8	5	Haze AM, Smoky All Day
3	N	NE	N	9	9	13	8	12	6	Clear AM, Smoke PM
4	NE	N	N	9	5	4	8	15	15 ⁺	Overcast All Day
5	NE	NE	NE	6	11	4	20	20	15	Rain Showers
6	NE	NE	NE	8	10	3	20	30	15	Rain Showers
7	N	NE	NE	3	8	4	6	35	15 ⁺	Smoke PM
8	N	NE	NE	00	9	6	5	25	15 ⁺	Smoke PM
9	N	NE	N	7	10	5	10	15	15	Rain Showers AM, Rain PM
10	N	NE	NE	7	5	4	10	40	10	Clear PM
11	N	NE	NE	00	11	8	5	25	15 ⁺	Ground Fog AM, Smoke PM
12	NE	NE	NE	13	11	4	20	75	15 ⁺	Scattered Clouds AM, Clear PM
13	NE	NE	N	14	10	4	5	10	15	Ground Fog AM, Smoke PM
14	NE	NE	NE	11	17	9	40	20	15	Smoke NW-E, Clear Sky
15	NE	NE	N	10	7	7	25	25	15	Clear All Day
16	N	NE	N	6	7	11	10	10	12	Clear All Day
17	N	N	N	8	5	4	8	15	7	Overcast, Rain
18	N	N	N	7	10	4	10	15	15	Overcast, Rain Showers
19	N	N	N	9	7	8	10	10	15	Overcast, Rain
20	N	N	N	13	12	8	25	10	15 ⁺	Rain Showers
21	N	N	N	22	13	15	10	15	15 ⁺	Rain Showers
22	N	N	N	17	25 ^G	14	25	25	7	Rain Showers
23	N	N	N	14	14	9	25	15	10	Rain Showers
24	NE	N	N	10	12	7	7	25	15 ⁺	Rain Showers
25	N	N	N	6	9	7	4	15	15	Rain Showers
26	N	NE	N	5	8	5	1-5	15	8	Ground Fog AM, Fog PM
27	N	NE	N	7	6	00	5	7	8	Fog/Haze AM, Haze/Ground Fog PM
28	N	NE	N	00	8	4	1/8	12	7	Fog AM, Haze/Ground Fog PM
29	N	NE	N	4	7	5	1/4	15	7	Ground Fog AM, Fog/Smoke PM
30	NE	NE	N	5	3	6	1/8	10	10	Ground Fog AM, Fog/Smoke PM
31	NE	N	N	5	9	00	5	6	7	Smoky All Day