CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2011 University @ Kendall - PM Peak
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	0. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	4.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	15	0	15	600	AG	2027	3.8	.0	17.6
B. NB Approach	15	600	15	755	AG	1341	6.5	.0	17.6
C. NB Depart	15	755	15	911	AG	1477	6.5	.0	17.6
D. NB External	15	911	15	1511	AG	1477	3.8	.0	17.6
E. NB Left	15	600	7	755	AG	686	6.5	.0	17.6
F. SB Left	0	911	7	755	AG	149	6.5	.0	17.6
G. SB External	0	1511	0	911	AG	1477	3.8	.0	17.6
H. SB Approach	0	911	0	755	AG	1328	6.5	.0	17.6
I. SB Depart	0	755	0	600	AG	1782	6.5	.0	17.6
J. SB External	0	600	0	0	AG	1782	3.8	.0	17.6
K. EB External	-750	750	-150	750	AG	632	3.8	.0	14.0
L. EB Approach	-150	750	7	750	AG	494	6.5	.0	14.0
M. EB Depart	7	750	165	750	AG	615	6.5	.0	14.0
N. EB External	165	750	765	750	AG	615	3.8	.0	14.0
O. WB External	765	761	165	761	AG	940	3.8	.0	14.0
P. WB Approach	165	761	7	761	AG	487	6.5	.0	14.0
Q. WB Depart	7	761	-150	761	AG	1202	6.5	.0	14.0
R. WB External	-150	761	-750	761	AG	1202	3.8	.0	14.0
S. EB Left	-150	750	7	755	AG	138	6.5	.0	14.0
T. WB Left	165	761	7	755	AG	453	6.5	.0	14.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-10	742	2.0
2. Receptor	25	742	2.0
3. Receptor	25	769	2.0
4. Receptor	-10	769	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	7.	1.5	.0	.0	.1	.2	.0	.0	.0	.7
2. Receptor	353.	1.4	.0	.0	.7	.0	.0	.0	.2	.1
3. Receptor	187.	1.6	.0	.7	.0	.0	.2	.0	.0	.0
4. Receptor	171.	1.8	.1	.2	.0	.0	.2	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.2	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
4. Receptor	.8	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0

JOB: 2011 Little Mountain @ Northpark - AM Peak w/Project
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	0. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	4.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	10	0	10	600	AG	344	3.8	.0	13.4
B. NB Approach	10	600	10	756	AG	187	6.5	.0	13.4
C. NB Depart	10	756	10	912	AG	37	6.5	.0	13.4
D. NB External	10	912	10	1512	AG	37	3.8	.0	13.4
E. NB Left	10	600	5	756	AG	157	6.5	.0	13.4
F. SB Left	0	912	5	756	AG	61	6.5	.0	13.4
G. SB External	0	1512	0	912	AG	86	3.8	.0	13.4
H. SB Approach	0	912	0	756	AG	25	6.5	.0	13.4
I. SB Depart	0	756	0	600	AG	139	6.5	.0	13.4
J. SB External	0	600	0	0	AG	139	3.8	.0	13.4
K. EB External	-750	750	-150	750	AG	331	3.8	.0	14.9
L. EB Approach	-150	750	5	750	AG	327	6.5	.0	14.9
M. EB Depart	5	750	160	750	AG	517	6.5	.0	14.9
N. EB External	160	750	760	750	AG	517	3.8	.0	14.9
O. WB External	760	762	160	762	AG	522	3.8	.0	14.9
P. WB Approach	160	762	5	762	AG	448	6.5	.0	14.9
Q. WB Depart	5	762	-150	762	AG	590	6.5	.0	14.9
R. WB External	-150	762	-750	762	AG	590	3.8	.0	14.9
S. EB Left	-150	750	5	756	AG	4	6.5	.0	14.9
T. WB Left	160	762	5	756	AG	74	6.5	.0	14.9

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	741	2.0
2. Receptor	19	741	2.0
3. Receptor	19	771	2.0
4. Receptor	-8	771	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	277.	.5	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	265.	.5	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2011 Palm @ Kendall - AM Peak w/Project
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	8	0	8	600	AG	836	3.8	.0	10.9
B. NB Approach	8	600	8	755	AG	724	6.5	.0	10.9
C. NB Depart	8	755	8	911	AG	464	6.5	.0	10.9
D. NB External	8	911	8	1511	AG	464	3.8	.0	10.9
E. NB Left	8	600	4	755	AG	112	6.5	.0	10.9
F. SB Left	0	911	4	755	AG	233	6.5	.0	10.9
G. SB External	0	1511	0	911	AG	951	3.8	.0	10.9
H. SB Approach	0	911	0	755	AG	718	6.5	.0	10.9
I. SB Depart	0	755	0	600	AG	1087	6.5	.0	10.9
J. SB External	0	600	0	0	AG	1087	3.8	.0	10.9
K. EB External	-750	750	-150	750	AG	241	3.8	.0	14.0
L. EB Approach	-150	750	4	750	AG	211	6.5	.0	14.0
M. EB Depart	4	750	158	750	AG	757	6.5	.0	14.0
N. EB External	158	750	758	750	AG	757	3.8	.0	14.0
O. WB External	758	761	158	761	AG	524	3.8	.0	14.0
P. WB Approach	158	761	4	761	AG	222	6.5	.0	14.0
Q. WB Depart	4	761	-150	761	AG	244	6.5	.0	14.0
R. WB External	-150	761	-750	761	AG	244	3.8	.0	14.0
S. EB Left	-150	750	4	755	AG	30	6.5	.0	14.0
T. WB Left	158	761	4	755	AG	302	6.5	.0	14.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-7	742	2.0
2. Receptor	15	742	2.0
3. Receptor	15	769	2.0
4. Receptor	-7	769	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	84.	1.0	.0	.1	.0	.0	.0	.0	.0	.0
2. Receptor	352.	.9	.0	.0	.3	.0	.0	.1	.0	.2
3. Receptor	186.	1.1	.0	.4	.0	.0	.0	.0	.0	.0
4. Receptor	174.	1.0	.0	.2	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2011 University @ I215NB - AM Peak w/Project
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	0. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	4.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	4	0	4	600	AG	656	3.8	.0	10.0
B. NB Approach	4	600	4	757	AG	537	6.5	.0	10.0
C. NB Depart	4	757	4	914	AG	2163	6.5	.0	10.0
D. NB External	4	914	4	1514	AG	2163	3.8	.0	10.0
E. NB Left	4	600	2	757	AG	119	6.5	.0	10.0
F. SB Left	0	914	2	757	AG	0	6.5	.0	10.0
G. SB External	0	1514	0	914	AG	1703	3.8	.0	10.0
H. SB Approach	0	914	0	757	AG	1703	6.5	.0	10.0
I. SB Depart	0	757	0	600	AG	1983	6.5	.0	10.0
J. SB External	0	600	0	0	AG	1983	3.8	.0	10.0
K. EB External	-750	750	-150	750	AG	0	3.8	.0	17.0
L. EB Approach	-150	750	2	750	AG	0	6.5	.0	17.0
M. EB Depart	2	750	154	750	AG	0	6.5	.0	17.0
N. EB External	154	750	754	750	AG	0	3.8	.0	17.0
O. WB External	754	764	154	764	AG	2097	3.8	.0	17.0
P. WB Approach	154	764	2	764	AG	1626	6.5	.0	17.0
Q. WB Depart	2	764	-150	764	AG	310	6.5	.0	17.0
R. WB External	-150	764	-750	764	AG	310	3.8	.0	17.0
S. EB Left	-150	750	2	757	AG	0	6.5	.0	17.0
T. WB Left	154	764	2	757	AG	471	6.5	.0	17.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-5	740	2.0
2. Receptor	9	740	2.0
3. Receptor	9	774	2.0
4. Receptor	-5	774	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	5.	2.4	.0	.0	.7	.1	.0	.0	.0	.9
2. Receptor	356.	2.3	.0	.1	1.1	.1	.0	.0	.1	.5
3. Receptor	186.	2.2	.0	.3	.6	.0	.0	.0	.0	.0
4. Receptor	5.	2.2	.0	.0	.6	.2	.0	.0	.0	1.3

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
3. Receptor	.7	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: 2011 University @ Northpark - PM Peak w/Project
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	0. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	4.4 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	14	0	14	600	AG	1623	3.8	.0	16.7
B. NB Approach	14	600	14	757	AG	1127	6.5	.0	16.7
C. NB Depart	14	757	14	914	AG	840	6.5	.0	16.7
D. NB External	14	914	14	1514	AG	840	3.8	.0	16.7
E. NB Left	14	600	7	757	AG	496	6.5	.0	16.7
F. SB Left	0	914	7	757	AG	107	6.5	.0	16.7
G. SB External	0	1514	0	914	AG	588	3.8	.0	16.7
H. SB Approach	0	914	0	757	AG	481	6.5	.0	16.7
I. SB Depart	0	757	0	600	AG	1509	6.5	.0	16.7
J. SB External	0	600	0	0	AG	1509	3.8	.0	16.7
K. EB External	-750	750	-150	750	AG	651	3.8	.0	17.0
L. EB Approach	-150	750	7	750	AG	622	6.5	.0	17.0
M. EB Depart	7	750	164	750	AG	684	6.5	.0	17.0
N. EB External	164	750	764	750	AG	684	3.8	.0	17.0
O. WB External	764	764	164	764	AG	965	3.8	.0	17.0
P. WB Approach	164	764	7	764	AG	340	6.5	.0	17.0
Q. WB Depart	7	764	-150	764	AG	794	6.5	.0	17.0
R. WB External	-150	764	-750	764	AG	794	3.8	.0	17.0
S. EB Left	-150	750	7	757	AG	29	6.5	.0	17.0
T. WB Left	164	764	7	757	AG	625	6.5	.0	17.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-10	740	2.0
2. Receptor	24	740	2.0
3. Receptor	24	774	2.0
4. Receptor	-10	774	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	80.	1.2	.0	.2	.0	.0	.0	.0	.0	.0
2. Receptor	277.	1.1	.0	.2	.0	.0	.0	.0	.0	.0
3. Receptor	187.	1.4	.0	.5	.0	.0	.2	.0	.0	.0
4. Receptor	173.	1.4	.2	.1	.0	.0	.1	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.2
2. Receptor	.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
4. Receptor	.7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0