Appendix 4.3 Sample Calculation Output of CALINE4 Model

NOX(Normal Case)

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

               JOB: Road P1 A05702 (NOX)- Mar2005
               RUN: NOX                (WORST CASE ANGLE)
         POLLUTANT: NOX
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I. SITE VARIABLES

U=	1.0 M/S	Z0=	60. CM	ALT=	1. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	4 (D)	VS=	.0 CM/S		
MIXH=	500. M	AMB=	.0 PPM		
SIGTH=	18. DEGREES	TEMP=	25.0 DEGREE (C)		

II. LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
0.	LINK 0	*	21000	21623	21101	21730	* AG	180	197.1	.0	24.0
1.	LINK 1	*	21101	21730	21172	21834	* AG	180	197.1	.0	24.0
2.	LINK 2	*	21172	21834	21236	21876	* AG	180	197.1	.0	24.0
3.	LINK 3	*	21236	21876	21308	21881	* AG	180	197.1	.0	24.0
4.	LINK 4	*	21308	21881	21387	21841	* AG	180	197.1	.0	24.0
5.	LINK 5	*	21387	21841	21429	21793	* AG	180	197.1	.0	24.0
6.	LINK 6	*	21429	21793	21458	21730	* AG	180	197.1	.0	24.0
7.	LINK 7	*	21458	21730	21446	21669	* AG	180	197.1	.0	24.0
8.	LINK 8	*	21446	21669	21402	21602	* AG	180	197.1	.0	24.0
9.	LINK 9	*	21402	21602	21360	21520	* AG	180	197.1	.0	24.0
0.	LINK 0	*	21360	21520	21343	21420	* AG	180	197.1	.0	24.0
1.	LINK 1	*	21343	21420	21366	21306	* AG	180	197.1	.0	24.0
2.	LINK 2	*	21366	21306	21411	21221	* AG	180	197.1	.0	24.0
3.	LINK 3	*	21411	21221	21526	21009	* AG	180	197.1	.0	24.0
4.	LINK 4	*	21526	21009	21619	20879	* AG	180	197.1	.0	24.0
5.	LINK 5	*	21619	20879	21707	20791	* AG	180	197.1	.0	24.0
6.	LINK 6	*	21707	20791	21811	20741	* AG	180	197.1	.0	24.0
7.	LINK 7	*	21761	20703	21622	20821	* AG	3780	208.9	.0	40.0
8.	LINK 8	*	21622	20821	21530	20938	* AG	3780	208.9	.0	40.0
9.	LINK 9	*	21524	20933	21416	21099	* AG	2100	213.0	.0	22.0
0.	LINK 0	*	21416	21099	21356	21190	* AG	510	199.9	.0	14.0
1.	LINK 1	*	21356	21190	21284	21267	* AG	510	199.9	.0	16.0
2.	LINK 2	*	21284	21267	21210	21302	* AG	510	199.9	.0	16.0
3.	LINK 3	*	21210	21302	21128	21311	* AG	510	199.9	.0	16.0
4.	LINK 4	*	21128	21311	21062	21299	* AG	510	199.9	.0	16.0
5.	LINK 5	*	21062	21299	21000	21267	* AG	510	199.9	.0	16.0
6.	LINK 6	*	21421	21102	21366	21195	* AG	1590	214.9	.0	14.0
7.	LINK 7	*	21366	21195	21346	21229	* AG	1590	214.9	.0	16.0
8.	LINK 8	*	21346	21229	21279	21357	* AG	1590	214.9	.0	16.0
9.	LINK 9	*	21279	21357	21258	21471	* AG	1590	214.9	.0	16.0
0.	LINK 0	*	21258	21471	21274	21590	* AG	1590	214.9	.0	16.0
1.	LINK 1	*	21274	21590	21330	21691	* AG	1590	214.9	.0	16.0
2.	LINK 2	*	21330	21691	21421	21783	* AG	1680	214.0	.0	16.0
3.	LINK 3	*	21421	21783	21559	21880	* AG	1680	214.0	.0	16.0
4.	LINK 4	*	21559	21880	21663	21935	* AG	1680	214.0	.0	16.0
5.	LINK 5	*	21663	21935	21771	21974	* AG	1680	214.0	.0	16.0
6.	LINK 6	*	21538	20942	21420	21141	* AG	1680	203.9	.0	22.0
7.	LINK 7	*	21420	21141	21379	21212	* AG	410	191.7	.0	14.0
8.	LINK 8	*	21379	21212	21345	21244	* AG	410	191.7	.0	16.0
9.	LINK 9	*	21345	21244	21294	21288	* AG	410	191.7	.0	16.0
0.	LINK 0	*	21294	21288	21197	21328	* AG	410	191.7	.0	16.0
1.	LINK 1	*	21197	21328	21117	21338	* AG	410	191.7	.0	16.0
2.	LINK 2	*	21117	21338	21055	21332	* AG	410	191.7	.0	16.0
3.	LINK 3	*	21055	21332	21000	21313	* AG	410	191.7	.0	16.0
4.	LINK 4	*	21427	21145	21390	21215	* AG	1270	224.8	.0	14.0
5.	LINK 5	*	21390	21215	21341	21307	* AG	1270	224.8	.0	16.0
6.	LINK 6	*	21341	21307	21316	21393	* AG	1270	224.8	.0	16.0
7.	LINK 7	*	21316	21393	21315	21492	* AG	1270	224.8	.0	16.0
8.	LINK 8	*	21315	21492	21337	21577	* AG	1270	224.8	.0	16.0
9.	LINK 9	*	21337	21577	21359	21616	* AG	1270	224.8	.0	16.0
0.	LINK 0	*	21359	21616	21382	21659	* AG	1270	224.8	.0	16.0
1.	LINK 1	*	21382	21659	21493	21774	* AG	1360	223.0	.0	16.0
2.	LINK 2	*	21493	21774	21560	21824	* AG	1360	223.0	.0	16.0
3.	LINK 3	*	21000	21358	21050	21398	* AG	90	197.1	.0	16.0
4.	LINK 4	*	21050	21398	21221	21576	* AG	90	197.1	.0	16.0
5.	LINK 5	*	21221	21576	21290	21670	* AG	90	197.1	.0	16.0
6.	LINK 6	*	21290	21670	21325	21706	* AG	90	197.1	.0	16.0
7.	LINK 7	*	21000	21333	21107	21369	* AG	90	197.1	.0	16.0
8.	LINK 8	*	21107	21369	21193	21424	* AG	90	197.1	.0	16.0
9.	LINK 9	*	21193	21424	21232	21464	* AG	90	197.1	.0	16.0
0.	LINK 0	*	21232	21464	21347	21623	* AG	90	197.1	.0	16.0
1.	LINK 1	*	21000	21312	21416	21739	* AG	8460	366.3	.0	42.0
2.	LINK 2	*	21416	21739	21542	21843	* AG	8460	366.3	.0	42.0
3.	LINK 3	*	21542	21843	21776	21957	* AG	9820	346.4	.0	42.0
4.	LINK 4	*	21776	21957	21942	21999	* AG	11500	327.0	.0	42.0
5.	LINK 5	*	20614	21024	20610	21049	* AG	360	197.1	.0	18.0
6.	LINK 6	*	20610	21049	20636	21051	* AG	360	197.1	.0	18.0
7.	LINK 7	*	20636	21051	20637	21027	* AG	360	197.1	.0	18.0
8.	LINK 8	*	20637	21027	20614	21024	* AG	360	197.1	.0	18.0
9.	LINK 9	*	20626	21066	20652	21106	* AG	180	197.1	.0	16.0
0.	LINK 0	*	20652	21106	20689	21166	* AG	180	197.1	.0	21.0
1.	LINK 1	*	20689	21166	20734	21234	* AG	90	197.1	.0	16.0
2.	LINK 2	*	20734	21234	20783	21284	* AG	90	197.1	.0	16.0
3.	LINK 3	*	20783	21284	20832	21308	* AG	90	197.1	.0	16.0
4.	LINK 4	*	20832	21308	20956	21335	* AG	90	197.1	.0	16.0

Appendix 4.3 Sample Calculation Output of CALINE4 Model

5.	LINK 5	* 20956	21335	21000	21357 *	AG	90	197.1	.0	16.0
6.	LINK 6	* 20700	21158	20790	21254 *	AG	90	197.1	.0	14.0
7.	LINK 7	* 20790	21254	20835	21302 *	AG	90	197.1	.0	14.0
8.	LINK 8	* 20835	21302	20893	21367 *	AG	90	197.1	.0	14.0
9.	LINK 9	* 20893	21367	20917	21413 *	AG	90	197.1	.0	14.0
0.	LINK 0	* 20917	21413	20923	21465 *	AG	90	197.1	.0	14.0
1.	LINK 1	* 20923	21465	20912	21505 *	AG	90	197.1	.0	14.0
2.	LINK 2	* 20639	21057	20681	21107 *	AG	180	197.1	.0	16.0
3.	LINK 3	* 20681	21107	20713	21145 *	AG	180	197.1	.0	20.0
4.	LINK 4	* 20713	21145	20807	21245 *	AG	90	197.1	.0	16.0
5.	LINK 5	* 20807	21245	20891	21299 *	AG	90	197.1	.0	16.0
6.	LINK 6	* 20891	21299	21000	21333 *	AG	90	197.1	.0	16.0
7.	LINK 7	* 20721	21138	20800	21218 *	AG	90	197.1	.0	14.0
8.	LINK 8	* 20800	21218	20831	21271 *	AG	90	197.1	.0	14.0
9.	LINK 9	* 20831	21271	20886	21328 *	AG	90	197.1	.0	14.0
0.	LINK 0	* 20886	21328	20917	21387 *	AG	90	197.1	.0	14.0
1.	LINK 1	* 20917	21387	20932	21444 *	AG	90	197.1	.0	14.0
2.	LINK 2	* 20932	21444	20925	21506 *	AG	90	197.1	.0	14.0
3.	LINK 3	* 20901	21514	20900	21536 *	AG	180	197.1	.0	16.0
4.	LINK 4	* 20900	21536	20925	21535 *	AG	180	197.1	.0	16.0
5.	LINK 5	* 20925	21535	20925	21514 *	AG	180	197.1	.0	16.0
6.	LINK 6	* 20925	21514	20901	21514 *	AG	180	197.1	.0	16.0
7.	LINK 7	* 20919	21543	21000	21624 *	AG	180	197.1	.0	24.0
8.	LINK 8	* 20203	20697	20444	20799 *	AG	9370	351.2	.0	42.0
9.	LINK 9	* 20444	20799	20601	20911 *	AG	9370	351.2	.0	42.0
0.	LINK 0	* 20601	20911	20714	21019 *	AG	9370	351.2	.0	42.0
1.	LINK 1	* 20714	21019	21000	21314 *	AG	8450	368.1	.0	42.0
2.	LINK 2	* 21000	21314	20926	21276 *	AG	410	191.7	.0	16.0
3.	LINK 3	* 20926	21276	20869	21227 *	AG	410	191.7	.0	16.0
4.	LINK 4	* 20869	21227	20702	21032 *	AG	410	191.7	.0	16.0
5.	LINK 5	* 21000	21268	20925	21203 *	AG	510	199.9	.0	16.0
6.	LINK 6	* 20925	21203	20727	21009 *	AG	510	199.9	.0	16.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. RECPT 1	20498	21412	1.5
2. RECPT 2	20968	21684	1.5
3. RECPT 3	21515	22141	1.5
4. RECPT 4	21065	20751	1.5

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) 0	1	2	3	4	5	6	7
1. RECPT 1	81.	8.2	.0	.0	.0	.0	.0	.0	.0	.0
2. RECPT 2	80.	12.7	.3	.1	.0	.0	.0	.0	.0	.0
3. RECPT 3	198.	15.1	.0	.0	.0	.0	.0	.0	.0	.0
4. RECPT 4	16.	7.9	.0	.0	.0	.0	.0	.0	.0	.0

9

RECEPTOR	CONC/LINK (PPM) 8	9	0	1	2	3	4	5	6	7	8	9
1. RECPT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2. RECPT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
4. RECPT 4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

RECEPTOR	CONC/LINK (PPM) 0	1	2	3	4	5	6	7	8	9	0	1
1. RECPT 1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
2. RECPT 2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	.0	.0	.0	.0	.0	.0	.1	.0	.2	.2		
4. RECPT 4	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2		

RECEPTOR	CONC/LINK (PPM) 2	3	4	5	6	7	8	9	0	1	2	3
1. RECPT 1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2. RECPT 2	.5	.4	.1	.1	.0	.0	.0	.0	.0	.0		
3. RECPT 3	.5	.4	.0	.0	.1	.0	.0	.0	.0	.0		
4. RECPT 4	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0		

RECEPTOR	CONC/LINK (PPM) 4	5	6	7	8	9	0	1	2	3	4	5
1. RECPT 1	.0	.0	.0	.1	.1	.0	.0	.1	.0	.0		
2. RECPT 2	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0		
3. RECPT 3	.0	.1	.1	.1	.2	.1	.1	.4	.0	.0		

Appendix 4.3 Sample Calculation Output of CALINE4 Model

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4. RECPT  4 *   .0   .0   .1   .1   .1   .0   .0   .1   .0   .0
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```
                *                          CONC/LINK
                *                            (PPM)
 RECEPTOR       *   6    7    8    9    0    1    2    3    4    5    6    7
----------------*-------------------------------------------------------------
1. RECPT  1 *   .0   .0   .0   .0   .0  5.6   .5   .5   .2   .0
2. RECPT  2 *   .0   .0   .0   .0   .0  3.2  3.7  2.6   .9   .0
3. RECPT  3 *   .0   .0   .0   .0   .0  7.4  3.1   .0   .0   .0
4. RECPT  4 *   .0   .0   .0   .0   .0  4.0   .8   .7   .2   .0
```

```
                *                          CONC/LINK
                *                            (PPM)
 RECEPTOR       *   8    9    0    1    2    3    4    5    6    7    8    9
----------------*-------------------------------------------------------------
1. RECPT  1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. RECPT  2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. RECPT  3 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4. RECPT  4 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
                *                          CONC/LINK
                *                            (PPM)
 RECEPTOR       *   0    1    2    3    4    5    6    7    8    9    0    1
----------------*-------------------------------------------------------------
1. RECPT  1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. RECPT  2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. RECPT  3 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4. RECPT  4 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
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```
                *                          CONC/LINK
                *                            (PPM)
 RECEPTOR       *   2    3    4    5    6    7    8    9    0    1    2    3
----------------*-------------------------------------------------------------
1. RECPT  1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. RECPT  2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. RECPT  3 *   .0   .0   .0   .0   .0   .0   .1   .1   .1   .6
4. RECPT  4 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
                * CONC/LINK
                *   (PPM)
 RECEPTOR       *   4    5    6
----------------*-----------------
1. RECPT  1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. RECPT  2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. RECPT  3 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4. RECPT  4 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
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RSP(Normal Case)

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

              JOB: Road P1 A05702  Mar2005
              RUN: RSP               (WORST CASE ANGLE)
       POLLUTANT: RSP
       (NOTE: OUTPUT IN MICRO-GRAMS/METER**3. IGNORE PPM LABEL)

  I.  SITE VARIABLES

        U=   1.0 M/S             Z0=  60. CM            ALT=     1. (M)
      BRG= WORST CASE            VD=   .5 CM/S
     CLAS=     4 (D)             VS=   .3 CM/S
     MIXH=  500. M               AMB=   .0 PPM
    SIGTH=   18. DEGREES       TEMP= 25.0 DEGREE (C)

  II.  LINK VARIABLES

     LINK        *  LINK COORDINATES (M)   *              EF      H      W
   DESCRIPTION   *    X1     Y1     X2     Y2  * TYPE  VPH  (G/MI)   (M)    (M)
---------------*-----------------------------*-----------------------------------
0.  LINK 0      * 21000 21623 21101 21730 *  AG    180       .1     .0   24.0
1.  LINK 1      * 21101 21730 21172 21834 *  AG    180       .1     .0   24.0
2.  LINK 2      * 21172 21834 21236 21876 *  AG    180       .1     .0   24.0
3.  LINK 3      * 21236 21876 21308 21881 *  AG    180       .1     .0   24.0
4.  LINK 4      * 21308 21881 21387 21841 *  AG    180       .1     .0   24.0
5.  LINK 5      * 21387 21841 21429 21793 *  AG    180       .1     .0   24.0
6.  LINK 6      * 21429 21793 21458 21730 *  AG    180       .1     .0   24.0
7.  LINK 7      * 21458 21730 21446 21669 *  AG    180       .1     .0   24.0
8.  LINK 8      * 21446 21669 21402 21602 *  AG    180       .1     .0   24.0
9.  LINK 9      * 21402 21602 21360 21520 *  AG    180       .1     .0   24.0
```

Appendix 4.3 Sample Calculation Output of CALINE4 Model

0.	LINK 0	*	21360	21520	21343	21420	*	AG	180	.1	.0	24.0
1.	LINK 1	*	21343	21420	21366	21306	*	AG	180	.1	.0	24.0
2.	LINK 2	*	21366	21306	21411	21221	*	AG	180	.1	.0	24.0
3.	LINK 3	*	21411	21221	21526	21009	*	AG	180	.1	.0	24.0
4.	LINK 4	*	21526	21009	21619	20879	*	AG	180	.1	.0	24.0
5.	LINK 5	*	21619	20879	21707	20791	*	AG	180	.1	.0	24.0
6.	LINK 6	*	21707	20791	21811	20741	*	AG	180	.1	.0	24.0
7.	LINK 7	*	21761	20703	21622	20821	*	AG	3780	.1	.0	40.0
8.	LINK 8	*	21622	20821	21530	20938	*	AG	3780	.1	.0	40.0
9.	LINK 9	*	21524	20933	21416	21099	*	AG	2100	.2	.0	22.0
0.	LINK 0	*	21416	21099	21356	21190	*	AG	510	.1	.0	14.0
1.	LINK 1	*	21356	21190	21284	21267	*	AG	510	.1	.0	16.0
2.	LINK 2	*	21284	21267	21210	21302	*	AG	510	.1	.0	16.0
3.	LINK 3	*	21210	21302	21128	21311	*	AG	510	.1	.0	16.0
4.	LINK 4	*	21128	21311	21062	21299	*	AG	510	.1	.0	16.0
5.	LINK 5	*	21062	21299	21000	21267	*	AG	510	.1	.0	16.0
6.	LINK 6	*	21421	21102	21366	21195	*	AG	1590	.2	.0	14.0
7.	LINK 7	*	21366	21195	21346	21229	*	AG	1590	.2	.0	16.0
8.	LINK 8	*	21346	21229	21279	21357	*	AG	1590	.2	.0	16.0
9.	LINK 9	*	21279	21357	21258	21471	*	AG	1590	.2	.0	16.0
0.	LINK 0	*	21258	21471	21274	21590	*	AG	1590	.2	.0	16.0
1.	LINK 1	*	21274	21590	21330	21691	*	AG	1590	.2	.0	16.0
2.	LINK 2	*	21330	21691	21421	21783	*	AG	1680	.2	.0	16.0
3.	LINK 3	*	21421	21783	21559	21880	*	AG	1680	.2	.0	16.0
4.	LINK 4	*	21559	21880	21663	21935	*	AG	1680	.2	.0	16.0
5.	LINK 5	*	21663	21935	21771	21974	*	AG	1680	.2	.0	16.0
6.	LINK 6	*	21538	20942	21420	21141	*	AG	1680	.1	.0	22.0
7.	LINK 7	*	21420	21141	21379	21212	*	AG	410	.1	.0	14.0
8.	LINK 8	*	21379	21212	21345	21244	*	AG	410	.1	.0	16.0
9.	LINK 9	*	21345	21244	21294	21288	*	AG	410	.1	.0	16.0
0.	LINK 0	*	21294	21288	21197	21328	*	AG	410	.1	.0	16.0
1.	LINK 1	*	21197	21328	21117	21338	*	AG	410	.1	.0	16.0
2.	LINK 2	*	21117	21338	21055	21332	*	AG	410	.1	.0	16.0
3.	LINK 3	*	21055	21332	21000	21313	*	AG	410	.1	.0	16.0
4.	LINK 4	*	21427	21145	21390	21215	*	AG	1270	.2	.0	14.0
5.	LINK 5	*	21390	21215	21341	21307	*	AG	1270	.2	.0	16.0
6.	LINK 6	*	21341	21307	21316	21393	*	AG	1270	.2	.0	16.0
7.	LINK 7	*	21316	21393	21315	21492	*	AG	1270	.2	.0	16.0
8.	LINK 8	*	21315	21492	21337	21577	*	AG	1270	.2	.0	16.0
9.	LINK 9	*	21337	21577	21359	21616	*	AG	1270	.2	.0	16.0
0.	LINK 0	*	21359	21616	21382	21659	*	AG	1270	.2	.0	16.0
1.	LINK 1	*	21382	21659	21493	21774	*	AG	1360	.2	.0	16.0
2.	LINK 2	*	21493	21774	21560	21824	*	AG	1360	.2	.0	16.0
3.	LINK 3	*	21000	21358	21050	21398	*	AG	90	.1	.0	16.0
4.	LINK 4	*	21050	21398	21221	21576	*	AG	90	.1	.0	16.0
5.	LINK 5	*	21221	21576	21290	21670	*	AG	90	.1	.0	16.0
6.	LINK 6	*	21290	21670	21325	21706	*	AG	90	.1	.0	16.0
7.	LINK 7	*	21000	21333	21107	21369	*	AG	90	.1	.0	16.0
8.	LINK 8	*	21107	21369	21193	21424	*	AG	90	.1	.0	16.0
9.	LINK 9	*	21193	21424	21232	21464	*	AG	90	.1	.0	16.0
0.	LINK 0	*	21232	21464	21347	21623	*	AG	90	.1	.0	16.0
1.	LINK 1	*	21000	21312	21416	21739	*	AG	8460	.3	.0	42.0
2.	LINK 2	*	21416	21739	21542	21843	*	AG	8460	.3	.0	42.0
3.	LINK 3	*	21542	21843	21776	21957	*	AG	9820	.3	.0	42.0
4.	LINK 4	*	21776	21957	21942	21999	*	AG	11500	.3	.0	42.0
5.	LINK 5	*	20614	21024	20610	21049	*	AG	360	.1	.0	18.0
6.	LINK 6	*	20610	21049	20636	21051	*	AG	360	.1	.0	18.0
7.	LINK 7	*	20636	21051	20637	21027	*	AG	360	.1	.0	18.0
8.	LINK 8	*	20637	21027	20614	21024	*	AG	360	.1	.0	18.0
9.	LINK 9	*	20626	21066	20652	21106	*	AG	180	.1	.0	16.0
0.	LINK 0	*	20652	21106	20689	21166	*	AG	180	.1	.0	21.0
1.	LINK 1	*	20689	21166	20734	21234	*	AG	90	.1	.0	16.0
2.	LINK 2	*	20734	21234	20783	21284	*	AG	90	.1	.0	16.0
3.	LINK 3	*	20783	21284	20832	21308	*	AG	90	.1	.0	16.0
4.	LINK 4	*	20832	21308	20956	21335	*	AG	90	.1	.0	16.0
5.	LINK 5	*	20956	21335	21000	21357	*	AG	90	.1	.0	16.0
6.	LINK 6	*	20700	21158	20790	21254	*	AG	90	.1	.0	14.0
7.	LINK 7	*	20790	21254	20835	21302	*	AG	90	.1	.0	14.0
8.	LINK 8	*	20835	21302	20893	21367	*	AG	90	.1	.0	14.0
9.	LINK 9	*	20893	21367	20917	21413	*	AG	90	.1	.0	14.0
0.	LINK 0	*	20917	21413	20923	21465	*	AG	90	.1	.0	14.0
1.	LINK 1	*	20923	21465	20912	21505	*	AG	90	.1	.0	14.0
2.	LINK 2	*	20639	21057	20681	21107	*	AG	180	.1	.0	16.0
3.	LINK 3	*	20681	21107	20713	21145	*	AG	180	.1	.0	20.0
4.	LINK 4	*	20713	21145	20807	21245	*	AG	90	.1	.0	16.0
5.	LINK 5	*	20807	21245	20891	21299	*	AG	90	.1	.0	16.0
6.	LINK 6	*	20891	21299	21000	21333	*	AG	90	.1	.0	16.0
7.	LINK 7	*	20721	21138	20800	21218	*	AG	90	.1	.0	14.0
8.	LINK 8	*	20800	21218	20831	21271	*	AG	90	.1	.0	14.0
9.	LINK 9	*	20831	21271	20886	21328	*	AG	90	.1	.0	14.0
0.	LINK 0	*	20886	21328	20917	21387	*	AG	90	.1	.0	14.0
1.	LINK 1	*	20917	21387	20932	21444	*	AG	90	.1	.0	14.0
2.	LINK 2	*	20932	21444	20925	21506	*	AG	90	.1	.0	14.0
3.	LINK 3	*	20901	21514	20900	21536	*	AG	180	.1	.0	16.0
4.	LINK 4	*	20900	21536	20925	21535	*	AG	180	.1	.0	16.0
5.	LINK 5	*	20925	21535	20925	21514	*	AG	180	.1	.0	16.0
6.	LINK 6	*	20925	21514	20901	21514	*	AG	180	.1	.0	16.0
7.	LINK 7	*	20919	21543	21000	21624	*	AG	180	.1	.0	24.0
8.	LINK 8	*	20203	20697	20444	20799	*	AG	9370	.3	.0	42.0
9.	LINK 9	*	20444	20799	20601	20911	*	AG	9370	.3	.0	42.0
0.	LINK 0	*	20601	20911	20714	21019	*	AG	9370	.3	.0	42.0
1.	LINK 1	*	20714	21019	21000	21314	*	AG	8450	.3	.0	42.0
2.	LINK 2	*	21000	21314	20926	21276	*	AG	410	.1	.0	16.0
3.	LINK 3	*	20926	21276	20869	21227	*	AG	410	.1	.0	16.0
4.	LINK 4	*	20869	21227	20702	21032	*	AG	410	.1	.0	16.0
5.	LINK 5	*	21000	21268	20925	21203	*	AG	510	.1	.0	16.0
6.	LINK 6	*	20925	21203	20727	21009	*	AG	510	.1	.0	16.0

III. RECEPTOR LOCATIONS

* COORDINATES (M)

Appendix 4.3 Sample Calculation Output of CALINE4 Model

RECEPTOR	*	X	Y	Z
1. RECPT 1	*	20498	21412	1.5
2. RECPT 2	*	20968	21684	1.5
3. RECPT 3	*	21515	22141	1.5
4. RECPT 4	*	21065	20751	1.5

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* CONC/LINK (PPM) 0	1	2	3	4	5	6	7
1. RECPT 1	* 82.	* 11.1	* .0	.0	.0	.0	.0	.0	.0	.0
2. RECPT 2	* 80.	* 17.5	* .4	.1	.0	.0	.0	.0	.0	.0
3. RECPT 3	* 198.	* 20.6	* .0	.0	.0	.0	.0	.1	.0	.0
4. RECPT 4	* 13.	* 10.5	* .0	.0	.0	.0	.0	.0	.0	.0

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RECEPTOR	*	CONC/LINK (PPM) 8	9	0	1	2	3	4	5	6	7	8	9
1. RECPT 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
4. RECPT 4	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

RECEPTOR	*	CONC/LINK (PPM) 0	1	2	3	4	5	6	7	8	9	0	1
1. RECPT 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	*	.0	.0	.0	.0	.0	.0	.1	.0	.2	.2		
4. RECPT 4	*	.0	.0	.1	.1	.0	.0	.0	.0	.2	.2		

RECEPTOR	*	CONC/LINK (PPM) 2	3	4	5	6	7	8	9	0	1	2	3
1. RECPT 1	*	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0		
2. RECPT 2	*	.6	.5	.2	.1	.0	.0	.0	.0	.0	.0		
3. RECPT 3	*	.6	.5	.0	.0	.1	.0	.0	.0	.0	.0		
4. RECPT 4	*	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1		

RECEPTOR	*	CONC/LINK (PPM) 4	5	6	7	8	9	0	1	2	3	4	5
1. RECPT 1	*	.0	.0	.0	.1	.1	.0	.0	.1	.0	.0		
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0		
3. RECPT 3	*	.0	.1	.1	.2	.2	.1	.1	.5	.1	.0		
4. RECPT 4	*	.0	.0	.1	.1	.1	.0	.0	.1	.0	.0		

RECEPTOR	*	CONC/LINK (PPM) 6	7	8	9	0	1	2	3	4	5	6	7
1. RECPT 1	*	.0	.0	.0	.0	.0	8.0	.6	.6	.3	.0		
2. RECPT 2	*	.0	.0	.0	.0	.0	4.5	5.3	3.6	1.2	.0		
3. RECPT 3	*	.0	.0	.0	.0	.0	10.5	4.4	.1	.0	.0		
4. RECPT 4	*	.0	.0	.0	.0	.0	6.6	.9	.7	.1	.0		

RECEPTOR	*	CONC/LINK (PPM) 8	9	0	1	2	3	4	5	6	7	8	9
1. RECPT 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
4. RECPT 4	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

RECEPTOR	*	CONC/LINK (PPM) 0	1	2	3	4	5	6	7	8	9	0	1
1. RECPT 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
4. RECPT 4	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

Appendix 4.3 Sample Calculation Output of CALINE4 Model

RECEPTOR	*	CONC/LINK (PPM) 2	3	4	5	6	7	8	9	0	1	2	3
1. RECPT 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. RECPT 3	*	.0	.0	.0	.0	.0	.0	.1	.1	.2	.9		
4. RECPT 4	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

RECEPTOR	*	CONC/LINK (PPM) 4	5	6							
1. RECPT 1	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. RECPT 2	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. RECPT 3	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. RECPT 4	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0