APPENDIX E

# AIR QUALITY MODELING RESULTS FROM LSA ASSOCIATES

# URBEMIS Model Output

**6/11/2012 10:03:47 AM**

Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: P:\DCV1002  Brighton Landing\Products\Final\brighton landing.urb924

Project Name: Brighton Landing Specific Plan

Project Location: Yolo-Solano AQMD

On-Road Vehicle Emissions Based on: Version  : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2019 TOTALS (tons/year unmitigated) | 10.69 | 3.36 | 11.33 | 0.02 | 19.79 | 0.19 | 19.98 | 4.15 | 0.17 | 4.32 | 2,435.20 |
| 2020 TOTALS (tons/year unmitigated) | 0.44 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.72 |

AREA SOURCE EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (tons/year, unmitigated) | 12.33 | 2.82 | 37.93 | 0.11 | 5.45 | 5.25 | 3,610.57 |
| TOTALS (tons/year, mitigated) | 12.33 | 2.82 | 37.93 | 0.11 | 5.45 | 5.25 | 3,610.57 |
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (tons/year, unmitigated) | 11.57 | 13.63 | 118.45 | 0.18 | 31.90 | 6.26 | 17,876.64 |

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (tons/year, unmitigated) | 23.90 | 16.45 | 156.38 | 0.29 | 37.35 | 11.51 | 21,487.21 |

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Area Source Unmitigated Emissions (Tons/Year)

File Name: P:\DCV1002  Brighton Landing\Products\Final\brighton landing.urb924

Project Name: Brighton Landing Specific Plan

Project Location: Yolo-Solano AQMD

On-Road Vehicle Emissions Based on: Version  : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

AREA SOURCE EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

| Source | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| Natural Gas | 0.16 | 2.12 | 1.05 | 0.00 | 0.00 | 0.00 | 2,677.17 |
| Hearth | 3.67 | 0.66 | 33.37 | 0.11 | 5.44 | 5.24 | 927.68 |
| Landscape | 0.59 | 0.04 | 3.51 | 0.00 | 0.01 | 0.01 | 5.72 |
| Consumer Products | 6.87 | | | | | | |
| Architectural Coatings | 1.04 | | | | | | |
| TOTALS (tons/year, unmitigated) | 12.33 | 2.82 | 37.93 | 0.11 | 5.45 | 5.25 | 3,610.57 |

Area Source Changes to Defaults

Percentage of residences with wood stoves changed from 35% to 45%

Percentage of residences with natural gas fireplaces changed from 65% to 55%

**6/11/2012 10:03:38 AM**

Urbemis 2007 Version 9.2.4

Detail Report for Winter Operational Unmitigated Emissions (Pounds/Day)

File Name: P:\DCV1002  Brighton Landing\Products\Final\brighton landing.urb924

Project Name: Brighton Landing Specific Plan

Project Location: Yolo-Solano AQMD

On-Road Vehicle Emissions Based on: Version  : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

| Source | ROG | NOX | CO | SO2 | PM10 | PM25 | CO2 |
|---|---|---|---|---|---|---|---|
| Single family housing | 36.88 | 58.56 | 424.32 | 0.56 | 109.02 | 21.45 | 55,769.31 |
| Elementary school | 13.17 | 21.14 | 149.71 | 0.20 | 39.32 | 7.72 | 19,957.08 |
| City park | 0.04 | 0.07 | 0.47 | 0.00 | 0.12 | 0.02 | 62.52 |
| Strip mall | 8.90 | 14.21 | 100.60 | 0.13 | 26.29 | 5.16 | 13,305.73 |
| TOTALS (lbs/day, unmitigated) | 58.99 | 93.98 | 675.10 | 0.89 | 174.75 | 34.35 | 89,094.64 |

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2020  Temperature (F): 40  Season: Winter

Emfac: Version  : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

| Land Use Type | Acreage | Trip Rate | Unit Type | No. Units | Total Trips | Total VMT |
|---|---|---|---|---|---|---|
| Single family housing | 256.33 | 9.57 | dwelling units | 769.00 | 7,359.33 | 62,920.06 |
| Elementary school | | 1.29 | students | 2,200.00 | 2,838.00 | 22,704.00 |

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## Summary of Land Uses

| Land Use Type | Acreage | Trip Rate | Unit Type | No. Units | Total Trips | Total VMT |
|---|---|---|---|---|---|---|
| City park | | 1.59 | acres | 6.00 | 9.54 | 71.31 |
| Strip mall | | 42.94 | 1000 sq ft | 47.98 | 2,060.26 | 15,184.12 |
| | | | | | 12,267.13 | 100,879.49 |

## Vehicle Fleet Mix

| Vehicle Type | Percent Type | Non-Catalyst | Catalyst | Diesel |
|---|---|---|---|---|
| Light Auto | 45.0 | 0.0 | 100.0 | 0.0 |
| Light Truck < 3750 lbs | 12.9 | 0.0 | 96.1 | 3.9 |
| Light Truck 3751-5750 lbs | 20.6 | 0.0 | 100.0 | 0.0 |
| Med Truck 5751-8500 lbs | 9.6 | 0.0 | 100.0 | 0.0 |
| Lite-Heavy Truck 8501-10,000 lbs | 2.3 | 0.0 | 78.3 | 21.7 |
| Lite-Heavy Truck 10,001-14,000 lbs | 0.8 | 0.0 | 50.0 | 50.0 |
| Med-Heavy Truck 14,001-33,000 lbs | 1.6 | 0.0 | 18.8 | 81.2 |
| Heavy-Heavy Truck 33,001-60,000 lbs | 1.1 | 0.0 | 0.0 | 100.0 |
| Other Bus | 0.0 | 0.0 | 0.0 | 0.0 |
| Urban Bus | 0.0 | 0.0 | 0.0 | 0.0 |
| Motorcycle | 5.0 | 38.0 | 62.0 | 0.0 |
| School Bus | 0.1 | 0.0 | 0.0 | 100.0 |
| Motor Home | 1.0 | 0.0 | 90.0 | 10.0 |

## Travel Conditions

| | Residential | | | Commercial | | |
|---|---|---|---|---|---|---|
| | Home-Work | Home-Shop | Home-Other | Commute | Non-Work | Customer |
| Urban Trip Length (miles) | 10.8 | 7.3 | 7.5 | 10.8 | 7.3 | 7.3 |

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Travel Conditions

| | Residential | | | Commercial | | |
|---|---|---|---|---|---|---|
| | Home-Work | Home-Shop | Home-Other | Commute | Non-Work | Customer |
| Rural Trip Length (miles) | 15.0 | 10.0 | 10.0 | 15.0 | 10.0 | 10.0 |
| Trip speeds (mph) | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| % of Trips - Residential | 32.9 | 18.0 | 49.1 | | | |
| % of Trips - Commercial (by land use) | | | | | | |
| Elementary school | | | | 20.0 | 10.0 | 70.0 |
| City park | | | | 5.0 | 2.5 | 92.5 |
| Strip mall | | | | 2.0 | 1.0 | 97.0 |

Operational Changes to Defaults

**6/11/2012 10:03:17 AM**

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: P:\DCV1002  Brighton Landing\Products\Final\brighton landing.urb924

Project Name: Brighton Landing Specific Plan

Project Location: Yolo-Solano AQMD

On-Road Vehicle Emissions Based on: Version  : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2019 TOTALS (lbs/day unmitigated) | 871.42 | 50.76 | 109.63 | 0.22 | 1,358.41 | 2.91 | 1,360.36 | 283.69 | 2.62 | 285.49 | 26,976.05 |
| 2020 TOTALS (lbs/day unmitigated) | 870.98 | 20.30 | 95.97 | 0.18 | 0.90 | 1.31 | 2.21 | 0.32 | 1.14 | 1.47 | 21,449.06 |

AREA SOURCE EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (lbs/day, unmitigated) | 50.76 | 12.06 | 44.72 | 0.00 | 0.13 | 0.13 | 14,732.96 |
| TOTALS (lbs/day, mitigated) | 50.76 | 12.06 | 44.72 | 0.00 | 0.13 | 0.13 | 14,732.96 |
| Percent Reduction | 0.00 | 0.00 | 0.00 | NaN | 0.00 | 0.00 | 0.00 |

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (lbs/day, unmitigated) | 65.58 | 65.01 | 636.04 | 1.01 | 174.75 | 34.35 | 102,384.04 |

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (lbs/day, unmitigated) | 116.34 | 77.07 | 680.76 | 1.01 | 174.88 | 34.48 | 117,117.00 |

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

**6/11/2012 10:03:29 AM**

Urbemis 2007 Version 9.2.4

Summary Report for Winter Emissions (Pounds/Day)

File Name: P:\DCV1002  Brighton Landing\Products\Final\brighton landing.urb924

Project Name: Brighton Landing Specific Plan

Project Location: Yolo-Solano AQMD

On-Road Vehicle Emissions Based on: Version  : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 Dust | PM10 Exhaust | PM10 | PM2.5 Dust | PM2.5 Exhaust | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2019 TOTALS (lbs/day unmitigated) | 871.42 | 50.76 | 109.63 | 0.22 | 1,358.41 | 2.91 | 1,360.36 | 283.69 | 2.62 | 285.49 | 26,976.05 |
| 2020 TOTALS (lbs/day unmitigated) | 870.98 | 20.30 | 95.97 | 0.18 | 0.90 | 1.31 | 2.21 | 0.32 | 1.14 | 1.47 | 21,449.06 |

AREA SOURCE EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (lbs/day, unmitigated) | 134.02 | 31.05 | 821.16 | 2.68 | 133.08 | 128.10 | 41,719.48 |
| TOTALS (lbs/day, mitigated) | 134.02 | 31.05 | 821.16 | 2.68 | 133.08 | 128.10 | 41,719.48 |
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (lbs/day, unmitigated) | 58.99 | 93.98 | 675.10 | 0.89 | 174.75 | 34.35 | 89,094.64 |

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

| | ROG | NOx | CO | SO2 | PM10 | PM2.5 | CO2 |
|---|---|---|---|---|---|---|---|
| TOTALS (lbs/day, unmitigated) | 193.01 | 125.03 | 1,496.26 | 3.57 | 307.83 | 162.45 | 130,814.12 |

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

# CALINE 4 Model Output

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

JOB: Brighton Landing
RUN: Ex0□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 7 | -150 | 7 | 0 | AG | 566 | 5.5 | .0 | 11.8 |
| B. Leisure NBD | 7 | 0 | 7 | 150 | AG | 634 | 3.5 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 24 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -5 | 150 | -5 | 0 | AG | 1091 | 6.3 | .0 | 10.0 |
| E. Leisure SBD | -5 | 0 | -5 | -150 | AG | 1022 | 3.7 | .0 | 10.0 |
| F. Leisure SBL | -5 | 150 | 0 | 0 | AG | 17 | 7.0 | .0 | 10.0 |
| G. Sequoia EBA | -150 | -4 | 0 | -4 | AG | 26 | 5.4 | .0 | 10.0 |
| H. Sequoia EBD | 0 | -4 | 150 | -4 | AG | 27 | 3.5 | .0 | 10.0 |
| I. Sequoia EBL | -150 | -2 | 0 | 0 | AG | 57 | 7.0 | .0 | 10.0 |
| J. Sequoia WBA | 150 | 2 | 0 | 2 | AG | 18 | 5.4 | .0 | 10.0 |
| K. Sequoia WBD | 0 | 2 | -150 | 2 | AG | 122 | 3.5 | .0 | 10.0 |
| L. Sequoia WBL | 150 | 2 | 0 | 0 | AG | 6 | 7.0 | .0 | 10.0 |
| M. Leisure NBAX | 7 | -750 | 7 | -150 | AG | 590 | 3.3 | .0 | 11.8 |
| N. Leisure NBDX | 7 | 150 | 7 | 750 | AG | 634 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -5 | 750 | -5 | 150 | AG | 1108 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -5 | -150 | -5 | -750 | AG | 1022 | 3.3 | .0 | 10.0 |
| Q. Sequoia EBAX | -750 | -4 | -150 | -4 | AG | 83 | 3.3 | .0 | 10.0 |
| R. Sequoia EBDX | 150 | -4 | 750 | -4 | AG | 27 | 3.3 | .0 | 10.0 |
| S. Sequoia WBAX | 750 | 2 | 150 | 2 | AG | 24 | 3.3 | .0 | 10.0 |
| T. Sequoia WBDX | -150 | 2 | -750 | 2 | AG | 122 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Exð□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 14 | -10 | 1.8 |
| 2. NW | -12 | 8 | 1.8 |
| 3. SW | -12 | -10 | 1.8 |
| 4. NE | 14 | 8 | 1.8 |
| 5. ES mdblk | 150 | -10 | 1.8 |
| 6. WN mdblk | -150 | 8 | 1.8 |
| 7. WS mdblk | -150 | -10 | 1.8 |
| 8. EN mdblk | 150 | 8 | 1.8 |
| 9. SE mdblk | 14 | -150 | 1.8 |
| 10. NW mdblk | -12 | 150 | 1.8 |
| 11. SW mdblk | -12 | -150 | 1.8 |
| 12. NE mdblk | 14 | 150 | 1.8 |
| 13. ES blk | 600 | -10 | 1.8 |
| 14. WN blk | -600 | 8 | 1.8 |
| 15. WS blk | -600 | -10 | 1.8 |
| 16. EN blk | 600 | 8 | 1.8 |
| 17. SE blk | 14 | -600 | 1.8 |
| 18. NW blk | -12 | 600 | 1.8 |
| 19. SW blk | -12 | -600 | 1.8 |
| 20. NE blk | 14 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Exθ□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 350. | .8 | .0 | .3 | .0 | .3 | .0 | .0 | .0 | .0 |
| 2. NW | 8. | 1.2 | .0 | .0 | .0 | .9 | .0 | .0 | .0 | .0 |
| 3. SW | 7. | 1.2 | .0 | .0 | .0 | .8 | .0 | .0 | .0 | .0 |
| 4. NE | 187. | .8 | .4 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 5. ES mdblk | 274. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 97. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 268. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 353. | .9 | .4 | .0 | .0 | .2 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | 1.3 | .0 | .0 | .0 | .9 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 6. | .9 | .1 | .0 | .0 | .1 | .5 | .0 | .0 | .0 |
| 12. NE mdblk | 189. | .8 | .0 | .3 | .0 | .3 | .0 | .0 | .0 | .0 |
| 13. ES blk | 274. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 95. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 268. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 187. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .1 | .6 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .5 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .3 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing

RUN: Exø□□ (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 575 | 6.3 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 661 | 4.0 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 94 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 879 | 7.4 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 845 | 5.9 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| G. Ulatis D EBA | -150 | -4 | 0 | -4 | AG | 75 | 5.4 | .0 | 10.0 |
| H. Ulatis D EBD | 0 | -4 | 150 | -4 | AG | 6 | 3.5 | .0 | 10.0 |
| I. Ulatis D EBL | -150 | -2 | 0 | 0 | AG | 86 | 7.0 | .0 | 10.0 |
| J. Ulatis D WBA | 150 | 0 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| K. Ulatis D WBD | 0 | 0 | -150 | 0 | AG | 197 | 3.5 | .0 | 10.0 |
| L. Ulatis D WBL | 150 | 2 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 669 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 661 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 879 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 845 | 3.3 | .0 | 10.0 |
| Q. Ulatis EBAX | -750 | -4 | -150 | -4 | AG | 161 | 3.3 | .0 | 10.0 |
| R. Ulatis EBDX | 150 | -4 | 750 | -4 | AG | 6 | 3.3 | .0 | 10.0 |
| S. Ulatis WBAX | 750 | 0 | 150 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| T. Ulatis WBDX | -150 | 0 | -750 | 0 | AG | 197 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -10 | 1.8 |
| 2. NW | -10 | 7 | 1.8 |
| 3. SW | -10 | -10 | 1.8 |
| 4. NE | 12 | 7 | 1.8 |
| 5. ES mdblk | 150 | -10 | 1.8 |
| 6. WN mdblk | -150 | 7 | 1.8 |
| 7. WS mdblk | -150 | -10 | 1.8 |
| 8. EN mdblk | 150 | 7 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -10 | 1.8 |
| 14. WN blk | -600 | 7 | 1.8 |
| 15. WS blk | -600 | -10 | 1.8 |
| 16. EN blk | 600 | 7 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Ex0□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 189. | 1.0 | .5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 |
| 2. NW | 172. | 1.2 | .2 | .0 | .0 | .0 | .7 | .0 | .0 | .0 |
| 3. SW | 8. | 1.3 | .0 | .2 | .0 | .8 | .0 | .0 | .0 | .0 |
| 4. NE | 188. | 1.0 | .5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 |
| 5. ES mdblk | 272. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 99. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 268. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 352. | 1.2 | .5 | .0 | .1 | .1 | .3 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | 1.3 | .0 | .1 | .0 | .9 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 7. | 1.2 | .2 | .0 | .0 | .0 | .7 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | 1.0 | .0 | .4 | .0 | .4 | .1 | .0 | .0 | .0 |
| 13. ES blk | 271. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 95. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 85. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 269. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing

RUN: Ex0□□ (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .5 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .4 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Exð□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 550 | 5.5 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 670 | 3.5 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 240 | 7.4 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 848 | 5.9 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 1000 | 3.6 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 170 | 7.0 | .0 | 10.0 |
| G. Elmira R EBA | -150 | -4 | 0 | -4 | AG | 510 | 5.5 | .0 | 10.0 |
| H. Elmira R EBD | 0 | -4 | 150 | -4 | AG | 528 | 3.5 | .0 | 10.0 |
| I. Elmira R EBL | -150 | -2 | 0 | 0 | AG | 105 | 7.0 | .0 | 10.0 |
| J. Elmira R WBA | 150 | 2 | 0 | 2 | AG | 331 | 5.4 | .0 | 10.0 |
| K. Elmira R WBD | 0 | 2 | -150 | 2 | AG | 667 | 3.5 | .0 | 10.0 |
| L. Elmira R WBL | 150 | 2 | 0 | 0 | AG | 111 | 7.0 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 790 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 670 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 1018 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 1000 | 3.3 | .0 | 10.0 |
| Q. Elmira EBAX | -750 | -4 | -150 | -4 | AG | 615 | 3.3 | .0 | 10.0 |
| R. Elmira EBDX | 150 | -4 | 750 | -4 | AG | 528 | 3.3 | .0 | 10.0 |
| S. Elmira WBAX | 750 | 2 | 150 | 2 | AG | 442 | 3.3 | .0 | 10.0 |
| T. Elmira WBDX | -150 | 2 | -750 | 2 | AG | 667 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -10 | 1.8 |
| 2. NW | -10 | 8 | 1.8 |
| 3. SW | -10 | -10 | 1.8 |
| 4. NE | 12 | 8 | 1.8 |
| 5. ES mdblk | 150 | -10 | 1.8 |
| 6. WN mdblk | -150 | 8 | 1.8 |
| 7. WS mdblk | -150 | -10 | 1.8 |
| 8. EN mdblk | 150 | 8 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -10 | 1.8 |
| 14. WN blk | -600 | 8 | 1.8 |
| 15. WS blk | -600 | -10 | 1.8 |
| 16. EN blk | 600 | 8 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing

RUN: Ex0□□ (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

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. SE | 277. | 1.2 | .2 | .0 | .0 | .0 | .1 | .0 | .4 | .0 |
| 2. NW | 171. | 1.3 | .2 | .0 | .2 | .0 | .5 | .0 | .1 | .0 |
| 3. SW | 8. | 1.4 | .0 | .1 | .0 | .6 | .0 | .1 | .2 | .0 |
| 4. NE | 187. | 1.2 | .4 | .0 | .2 | .0 | .2 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 |
| 6. WN mdblk | 97. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 7. WS mdblk | 83. | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | .0 |
| 8. EN mdblk | 264. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 9. SE mdblk | 352. | 1.2 | .4 | .0 | .3 | .1 | .2 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | 1.3 | .0 | .1 | .0 | .7 | .0 | .1 | .0 | .0 |
| 11. SW mdblk | 7. | 1.1 | .2 | .0 | .1 | .0 | .5 | .0 | .0 | .0 |
| 12. NE mdblk | 187. | 1.0 | .0 | .3 | .0 | .2 | .0 | .0 | .0 | .0 |
| 13. ES blk | 276. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 264. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing

RUN: Ex0□□ (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .3 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .2 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .4 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .2 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .2 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .5 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .5 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .3 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 641 | 5.8 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 741 | 3.8 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 36 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 850 | 7.1 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 719 | 3.8 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| G. Marshall EBA | -150 | -5 | 0 | -5 | AG | 25 | 6.3 | .0 | 10.0 |
| H. Marshall EBD | 0 | -5 | 150 | -5 | AG | 0 | 3.3 | .0 | 10.0 |
| I. Marshall EBL | -150 | -5 | 0 | 0 | AG | 100 | 7.0 | .0 | 10.0 |
| J. Marshall WBA | 150 | 0 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| K. Marshall WBD | 0 | 0 | -150 | 0 | AG | 192 | 3.7 | .0 | 10.0 |
| L. Marshall WBL | 150 | 2 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 677 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 741 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 850 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 719 | 3.3 | .0 | 10.0 |
| Q. Marshal EBAX | -750 | -5 | -150 | -5 | AG | 125 | 3.3 | .0 | 10.0 |
| R. Marshal EBDX | 150 | -5 | 750 | -5 | AG | 0 | 3.3 | .0 | 10.0 |
| S. Marshal WBAX | 750 | 0 | 150 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| T. Marshal WBDX | -150 | 0 | -750 | 0 | AG | 192 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Ex0□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -12 | 1.8 |
| 2. NW | -10 | 7 | 1.8 |
| 3. SW | -10 | -12 | 1.8 |
| 4. NE | 12 | 7 | 1.8 |
| 5. ES mdblk | 150 | -12 | 1.8 |
| 6. WN mdblk | -150 | 7 | 1.8 |
| 7. WS mdblk | -150 | -12 | 1.8 |
| 8. EN mdblk | 150 | 7 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -12 | 1.8 |
| 14. WN blk | -600 | 7 | 1.8 |
| 15. WS blk | -600 | -12 | 1.8 |
| 16. EN blk | 600 | 7 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing

RUN: Ex0□□ (WORST CASE ANGLE)

POLLUTANT: Carbon Monoxide

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. SE | 351. | .9 | .0 | .3 | .0 | .4 | .0 | .0 | .0 | .0 |
| 2. NW | 8. | 1.1 | .0 | .2 | .0 | .8 | .0 | .0 | .0 | .0 |
| 3. SW | 7. | 1.2 | .0 | .2 | .0 | .7 | .0 | .0 | .0 | .0 |
| 4. NE | 351. | .9 | .0 | .4 | .0 | .3 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 273. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 99. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 79. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 269. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 353. | 1.0 | .5 | .0 | .0 | .1 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | 1.2 | .0 | .1 | .0 | .8 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 6. | .8 | .2 | .0 | .0 | .1 | .4 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | .9 | .0 | .4 | .0 | .3 | .0 | .0 | .0 | .0 |
| 13. ES blk | 272. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 95. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 271. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Exø□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .4 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .4 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Ex0□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 548 | 5.5 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 732 | 3.5 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 86 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -7 | 150 | -7 | 0 | AG | 731 | 7.3 | .0 | 10.0 |
| E. Leisure SBD | -7 | 0 | -7 | -150 | AG | 652 | 4.0 | .0 | 10.0 |
| F. Leisure SBL | -5 | 150 | 0 | 0 | AG | 44 | 7.0 | .0 | 10.0 |
| G. Alamo Dr EBA | -150 | -7 | 0 | -7 | AG | 153 | 5.4 | .0 | 10.0 |
| H. Alamo Dr EBD | 0 | -7 | 150 | -7 | AG | 201 | 3.5 | .0 | 10.0 |
| I. Alamo Dr EBL | -150 | -5 | 0 | 0 | AG | 211 | 7.4 | .0 | 10.0 |
| J. Alamo Dr WBA | 150 | 5 | 0 | 5 | AG | 214 | 5.4 | .0 | 10.0 |
| K. Alamo Dr WBD | 0 | 5 | -150 | 5 | AG | 505 | 3.5 | .0 | 10.0 |
| L. Alamo Dr WBL | 150 | 5 | 0 | 0 | AG | 103 | 7.0 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 634 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 732 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -7 | 750 | -7 | 150 | AG | 775 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -7 | -150 | -7 | -750 | AG | 652 | 3.3 | .0 | 10.0 |
| Q. Alamo D EBAX | -750 | -7 | -150 | -7 | AG | 364 | 3.3 | .0 | 10.0 |
| R. Alamo D EBDX | 150 | -7 | 750 | -7 | AG | 201 | 3.3 | .0 | 10.0 |
| S. Alamo D WBAX | 750 | 5 | 150 | 5 | AG | 317 | 3.3 | .0 | 10.0 |
| T. Alamo D WBDX | -150 | 5 | -750 | 5 | AG | 505 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Ex□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -14 | 1.8 |
| 2. NW | -14 | 12 | 1.8 |
| 3. SW | -14 | -14 | 1.8 |
| 4. NE | 12 | 12 | 1.8 |
| 5. ES mdblk | 150 | -14 | 1.8 |
| 6. WN mdblk | -150 | 12 | 1.8 |
| 7. WS mdblk | -150 | -14 | 1.8 |
| 8. EN mdblk | 150 | 12 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -14 | 150 | 1.8 |
| 11. SW mdblk | -14 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -14 | 1.8 |
| 14. WN blk | -600 | 12 | 1.8 |
| 15. WS blk | -600 | -14 | 1.8 |
| 16. EN blk | 600 | 12 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -14 | 600 | 1.8 |
| 19. SW blk | -14 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Ex0□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 350. | .9 | .0 | .3 | .0 | .3 | .0 | .0 | .0 | .0 |
| 2. NW | 8. | 1.0 | .0 | .0 | .0 | .7 | .0 | .0 | .0 | .0 |
| 3. SW | 7. | 1.2 | .0 | .1 | .0 | .6 | .0 | .0 | .0 | .0 |
| 4. NE | 262. | .9 | .0 | .2 | .0 | .2 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 6. WN mdblk | 97. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 81. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 |
| 8. EN mdblk | 264. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 353. | 1.0 | .4 | .0 | .1 | .1 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | 1.2 | .0 | .1 | .0 | .8 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 6. | .8 | .1 | .0 | .0 | .1 | .4 | .0 | .0 | .0 |
| 12. NE mdblk | 189. | .9 | .0 | .4 | .0 | .2 | .0 | .0 | .0 | .0 |
| 13. ES blk | 276. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 265. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CONC/LINK (PPM) | | | | | | | | | | | |
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .1 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .2 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .1 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .4 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Peabody NBA | 11 | -150 | 11 | 0 | AG | 762 | 5.8 | .0 | 11.8 |
| B. Peabody NBD | 11 | 0 | 11 | 150 | AG | 1228 | 4.2 | .0 | 10.0 |
| C. Peabody NBL | 9 | -150 | 0 | 0 | AG | 377 | 7.1 | .0 | 10.0 |
| D. Peabody SBA | -7 | 150 | -7 | 0 | AG | 1075 | 6.4 | .0 | 11.8 |
| E. Peabody SBD | -7 | 0 | -7 | -150 | AG | 1333 | 4.2 | .0 | 10.0 |
| F. Peabody SBL | -5 | 150 | 0 | 0 | AG | 161 | 7.1 | .0 | 10.0 |
| G. Cliffsid EBA | -150 | -7 | 0 | -7 | AG | 250 | 5.5 | .0 | 10.0 |
| H. Cliffsid EBD | 0 | -7 | 150 | -7 | AG | 221 | 3.7 | .0 | 10.0 |
| I. Cliffsid EBL | -150 | -5 | 0 | 0 | AG | 422 | 7.4 | .0 | 10.0 |
| J. Cliffsid WBA | 150 | 4 | 0 | 4 | AG | 112 | 5.5 | .0 | 10.0 |
| K. Cliffsid WBD | 0 | 4 | -150 | 4 | AG | 506 | 3.7 | .0 | 10.0 |
| L. Cliffsid WBL | 150 | 2 | 0 | 0 | AG | 129 | 7.1 | .0 | 10.0 |
| M. Peabody NBAX | 11 | -750 | 11 | -150 | AG | 1139 | 3.4 | .0 | 11.8 |
| N. Peabody NBDX | 11 | 150 | 11 | 750 | AG | 1228 | 3.4 | .0 | 10.0 |
| O. Peabody SBAX | -7 | 750 | -7 | 150 | AG | 1236 | 3.4 | .0 | 11.8 |
| P. Peabody SBDX | -7 | -150 | -7 | -750 | AG | 1333 | 3.4 | .0 | 10.0 |
| Q. Cliffsi EBAX | -750 | -7 | -150 | -7 | AG | 672 | 3.4 | .0 | 10.0 |
| R. Cliffsi EBDX | 150 | -7 | 750 | -7 | AG | 221 | 3.4 | .0 | 10.0 |
| S. Cliffsi WBAX | 750 | 4 | 150 | 4 | AG | 241 | 3.4 | .0 | 10.0 |
| T. Cliffsi WBDX | -150 | 4 | -750 | 4 | AG | 506 | 3.4 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Ex8□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 18 | -14 | 1.8 |
| 2. NW | -14 | 10 | 1.8 |
| 3. SW | -14 | -14 | 1.8 |
| 4. NE | 17 | 10 | 1.8 |
| 5. ES mdblk | 150 | -14 | 1.8 |
| 6. WN mdblk | -150 | 10 | 1.8 |
| 7. WS mdblk | -150 | -14 | 1.8 |
| 8. EN mdblk | 150 | 10 | 1.8 |
| 9. SE mdblk | 18 | -150 | 1.8 |
| 10. NW mdblk | -14 | 150 | 1.8 |
| 11. SW mdblk | -14 | -150 | 1.8 |
| 12. NE mdblk | 17 | 150 | 1.8 |
| 13. ES blk | 600 | -14 | 1.8 |
| 14. WN blk | -600 | 10 | 1.8 |
| 15. WS blk | -600 | -14 | 1.8 |
| 16. EN blk | 600 | 10 | 1.8 |
| 17. SE blk | 18 | -600 | 1.8 |
| 18. NW blk | -14 | 600 | 1.8 |
| 19. SW blk | -14 | -600 | 1.8 |
| 20. NE blk | 17 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Ex□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 350. | 1.3 | .1 | .5 | .0 | .2 | .0 | .0 | .0 | .0 |
| 2. NW | 169. | 1.6 | .2 | .0 | .2 | .1 | .6 | .0 | .0 | .0 |
| 3. SW | 8. | 1.7 | .0 | .1 | .0 | .8 | .1 | .1 | .0 | .0 |
| 4. NE | 262. | 1.3 | .0 | .3 | .0 | .2 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 275. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 6. WN mdblk | 99. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 8. EN mdblk | 265. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 351. | 1.4 | .6 | .0 | .3 | .2 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | 1.6 | .1 | .1 | .0 | .9 | .0 | .1 | .0 | .0 |
| 11. SW mdblk | 8. | 1.4 | .1 | .1 | .1 | .0 | .7 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | 1.4 | .0 | .7 | .0 | .2 | .1 | .0 | .0 | .0 |
| 13. ES blk | 275. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 265. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 187. | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Ex0□□ (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .2 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .1 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .3 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .2 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .4 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .3 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .1 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .6 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .6 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .7 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .6 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 585 | 6.3 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 663 | 4.0 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 91 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 712 | 7.3 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 680 | 4.0 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| G. Ulatis D EBA | -150 | -4 | 0 | -4 | AG | 64 | 5.4 | .0 | 10.0 |
| H. Ulatis D EBD | 0 | -4 | 150 | -4 | AG | 3 | 3.5 | .0 | 10.0 |
| I. Ulatis D EBL | -150 | -2 | 0 | 0 | AG | 78 | 7.0 | .0 | 10.0 |
| J. Ulatis D WBA | 150 | 0 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| K. Ulatis D WBD | 0 | 0 | -150 | 0 | AG | 184 | 3.5 | .0 | 10.0 |
| L. Ulatis D WBL | 150 | 2 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 676 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 663 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 712 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 680 | 3.3 | .0 | 10.0 |
| Q. Ulatis EBAX | -750 | -4 | -150 | -4 | AG | 142 | 3.3 | .0 | 10.0 |
| R. Ulatis EBDX | 150 | -4 | 750 | -4 | AG | 3 | 3.3 | .0 | 10.0 |
| S. Ulatis WBAX | 750 | 0 | 150 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| T. Ulatis WBDX | -150 | 0 | -750 | 0 | AG | 184 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -10 | 1.8 |
| 2. NW | -10 | 7 | 1.8 |
| 3. SW | -10 | -10 | 1.8 |
| 4. NE | 12 | 7 | 1.8 |
| 5. ES mdblk | 150 | -10 | 1.8 |
| 6. WN mdblk | -150 | 7 | 1.8 |
| 7. WS mdblk | -150 | -10 | 1.8 |
| 8. EN mdblk | 150 | 7 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -10 | 1.8 |
| 14. WN blk | -600 | 7 | 1.8 |
| 15. WS blk | -600 | -10 | 1.8 |
| 16. EN blk | 600 | 7 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 188. | .9 | .5 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 2. NW | 8. | 1.0 | .0 | .1 | .0 | .7 | .0 | .0 | .0 | .0 |
| 3. SW | 7. | 1.1 | .0 | .1 | .0 | .7 | .0 | .0 | .0 | .0 |
| 4. NE | 187. | .9 | .5 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 5. ES mdblk | 272. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 99. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 269. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 353. | 1.0 | .5 | .0 | .1 | .1 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | 1.1 | .0 | .1 | .0 | .7 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 7. | .9 | .2 | .0 | .0 | .0 | .4 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | .9 | .0 | .4 | .0 | .3 | .0 | .0 | .0 | .0 |
| 13. ES blk | 271. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 95. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 269. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .4 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .4 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 572 | 5.5 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 673 | 3.5 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 187 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 703 | 5.7 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 751 | 3.5 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 164 | 7.0 | .0 | 10.0 |
| G. Elmira R EBA | -150 | -4 | 0 | -4 | AG | 415 | 5.5 | .0 | 10.0 |
| H. Elmira R EBD | 0 | -4 | 150 | -4 | AG | 529 | 3.5 | .0 | 10.0 |
| I. Elmira R EBL | -150 | -2 | 0 | 0 | AG | 102 | 7.0 | .0 | 10.0 |
| J. Elmira R WBA | 150 | 2 | 0 | 2 | AG | 299 | 5.4 | .0 | 10.0 |
| K. Elmira R WBD | 0 | 2 | -150 | 2 | AG | 591 | 3.5 | .0 | 10.0 |
| L. Elmira R WBL | 150 | 2 | 0 | 0 | AG | 102 | 7.0 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 759 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 673 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 867 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 751 | 3.3 | .0 | 10.0 |
| Q. Elmira EBAX | -750 | -4 | -150 | -4 | AG | 517 | 3.3 | .0 | 10.0 |
| R. Elmira EBDX | 150 | -4 | 750 | -4 | AG | 529 | 3.3 | .0 | 10.0 |
| S. Elmira WBAX | 750 | 2 | 150 | 2 | AG | 401 | 3.3 | .0 | 10.0 |
| T. Elmira WBDX | -150 | 2 | -750 | 2 | AG | 591 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -10 | 1.8 |
| 2. NW | -10 | 8 | 1.8 |
| 3. SW | -10 | -10 | 1.8 |
| 4. NE | 12 | 8 | 1.8 |
| 5. ES mdblk | 150 | -10 | 1.8 |
| 6. WN mdblk | -150 | 8 | 1.8 |
| 7. WS mdblk | -150 | -10 | 1.8 |
| 8. EN mdblk | 150 | 8 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -10 | 1.8 |
| 14. WN blk | -600 | 8 | 1.8 |
| 15. WS blk | -600 | -10 | 1.8 |
| 16. EN blk | 600 | 8 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 352. | 1.1 | .0 | .3 | .0 | .2 | .0 | .1 | .0 | .1 |
| 2. NW | 172. | 1.1 | .2 | .0 | .1 | .0 | .3 | .0 | .1 | .0 |
| 3. SW | 7. | 1.2 | .0 | .1 | .0 | .5 | .0 | .1 | .1 | .0 |
| 4. NE | 187. | 1.1 | .4 | .0 | .1 | .0 | .1 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 |
| 6. WN mdblk | 97. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 7. WS mdblk | 83. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .0 |
| 8. EN mdblk | 264. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 9. SE mdblk | 353. | 1.1 | .4 | .0 | .2 | .0 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | 1.1 | .0 | .1 | .0 | .6 | .0 | .1 | .0 | .0 |
| 11. SW mdblk | 7. | .9 | .2 | .0 | .0 | .0 | .4 | .0 | .0 | .0 |
| 12. NE mdblk | 187. | .9 | .0 | .3 | .0 | .2 | .0 | .0 | .0 | .0 |
| 13. ES blk | 276. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 264. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .2 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .1 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .3 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .2 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .2 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .4 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .4 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 564 | 5.5 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 672 | 3.6 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 25 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 594 | 5.5 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 457 | 3.4 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| G. Marshall EBA | -150 | -5 | 0 | -5 | AG | 14 | 6.3 | .0 | 10.0 |
| H. Marshall EBD | 0 | -5 | 150 | -5 | AG | 0 | 3.3 | .0 | 10.0 |
| I. Marshall EBL | -150 | -5 | 0 | 0 | AG | 108 | 7.0 | .0 | 10.0 |
| J. Marshall WBA | 150 | 0 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| K. Marshall WBD | 0 | 0 | -150 | 0 | AG | 176 | 3.7 | .0 | 10.0 |
| L. Marshall WBL | 150 | 2 | 0 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 589 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 672 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 594 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 457 | 3.3 | .0 | 10.0 |
| Q. Marshal EBAX | -750 | -5 | -150 | -5 | AG | 122 | 3.3 | .0 | 10.0 |
| R. Marshal EBDX | 150 | -5 | 750 | -5 | AG | 0 | 3.3 | .0 | 10.0 |
| S. Marshal WBAX | 750 | 0 | 150 | 0 | AG | 0 | 3.3 | .0 | 10.0 |
| T. Marshal WBDX | -150 | 0 | -750 | 0 | AG | 176 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -12 | 1.8 |
| 2. NW | -10 | 7 | 1.8 |
| 3. SW | -10 | -12 | 1.8 |
| 4. NE | 12 | 7 | 1.8 |
| 5. ES mdblk | 150 | -12 | 1.8 |
| 6. WN mdblk | -150 | 7 | 1.8 |
| 7. WS mdblk | -150 | -12 | 1.8 |
| 8. EN mdblk | 150 | 7 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -12 | 1.8 |
| 14. WN blk | -600 | 7 | 1.8 |
| 15. WS blk | -600 | -12 | 1.8 |
| 16. EN blk | 600 | 7 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 352. | .7 | .0 | .3 | .0 | .2 | .0 | .0 | .0 | .0 |
| 2. NW | 8. | .7 | .0 | .1 | .0 | .5 | .0 | .0 | .0 | .0 |
| 3. SW | 7. | .8 | .0 | .1 | .0 | .4 | .0 | .0 | .0 | .0 |
| 4. NE | 352. | .7 | .0 | .3 | .0 | .2 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 273. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 99. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 79. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 268. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 353. | .8 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | .8 | .0 | .1 | .0 | .5 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 6. | .6 | .1 | .0 | .0 | .0 | .2 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | .7 | .0 | .3 | .0 | .2 | .0 | .0 | .0 | .0 |
| 13. ES blk | 271. | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 270. | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .3 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 422 | 5.5 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 645 | 3.5 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 21 | 7.0 | .0 | 10.0 |
| D. Leisure SBA | -7 | 150 | -7 | 0 | AG | 469 | 5.9 | .0 | 10.0 |
| E. Leisure SBD | -7 | 0 | -7 | -150 | AG | 247 | 3.5 | .0 | 10.0 |
| F. Leisure SBL | -5 | 150 | 0 | 0 | AG | 44 | 7.0 | .0 | 10.0 |
| G. Alamo Dr EBA | -150 | -7 | 0 | -7 | AG | 94 | 5.4 | .0 | 10.0 |
| H. Alamo Dr EBD | 0 | -7 | 150 | -7 | AG | 194 | 3.5 | .0 | 10.0 |
| I. Alamo Dr EBL | -150 | -5 | 0 | 0 | AG | 242 | 7.4 | .0 | 10.0 |
| J. Alamo Dr WBA | 150 | 5 | 0 | 5 | AG | 204 | 5.4 | .0 | 10.0 |
| K. Alamo Dr WBD | 0 | 5 | -150 | 5 | AG | 443 | 3.5 | .0 | 10.0 |
| L. Alamo Dr WBL | 150 | 5 | 0 | 0 | AG | 33 | 7.0 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 443 | 3.3 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 645 | 3.3 | .0 | 10.0 |
| O. Leisure SBAX | -7 | 750 | -7 | 150 | AG | 513 | 3.3 | .0 | 10.0 |
| P. Leisure SBDX | -7 | -150 | -7 | -750 | AG | 247 | 3.3 | .0 | 10.0 |
| Q. Alamo D EBAX | -750 | -7 | -150 | -7 | AG | 336 | 3.3 | .0 | 10.0 |
| R. Alamo D EBDX | 150 | -7 | 750 | -7 | AG | 194 | 3.3 | .0 | 10.0 |
| S. Alamo D WBAX | 750 | 5 | 150 | 5 | AG | 237 | 3.3 | .0 | 10.0 |
| T. Alamo D WBDX | -150 | 5 | -750 | 5 | AG | 443 | 3.3 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -14 | 1.8 |
| 2. NW | -14 | 12 | 1.8 |
| 3. SW | -14 | -14 | 1.8 |
| 4. NE | 12 | 12 | 1.8 |
| 5. ES mdblk | 150 | -14 | 1.8 |
| 6. WN mdblk | -150 | 12 | 1.8 |
| 7. WS mdblk | -150 | -14 | 1.8 |
| 8. EN mdblk | 150 | 12 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -14 | 150 | 1.8 |
| 11. SW mdblk | -14 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -14 | 1.8 |
| 14. WN blk | -600 | 12 | 1.8 |
| 15. WS blk | -600 | -14 | 1.8 |
| 16. EN blk | 600 | 12 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -14 | 600 | 1.8 |
| 19. SW blk | -14 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 352. | .7 | .0 | .3 | .0 | .1 | .0 | .0 | .0 | .0 |
| 2. NW | 8. | .7 | .0 | .0 | .0 | .4 | .0 | .0 | .0 | .0 |
| 3. SW | 7. | .8 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 4. NE | 262. | .8 | .0 | .1 | .0 | .1 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 6. WN mdblk | 98. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 265. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 354. | .7 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | .7 | .0 | .0 | .0 | .4 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 6. | .5 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 12. NE mdblk | 189. | .6 | .0 | .3 | .0 | .1 | .0 | .0 | .0 | .0 |
| 13. ES blk | 276. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 265. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .2 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .1 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .1 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .1 | .3 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .3 | .1 | .0 | .0 | .0 | .0 | .0 |

□

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

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Peabody NBA | 11 | -150 | 11 | 0 | AG | 738 | 5.8 | .0 | 11.8 |
| B. Peabody NBD | 11 | 0 | 11 | 150 | AG | 1168 | 3.9 | .0 | 10.0 |
| C. Peabody NBL | 9 | -150 | 0 | 0 | AG | 361 | 7.1 | .0 | 10.0 |
| D. Peabody SBA | -7 | 150 | -7 | 0 | AG | 984 | 6.0 | .0 | 11.8 |
| E. Peabody SBD | -7 | 0 | -7 | -150 | AG | 1252 | 4.2 | .0 | 10.0 |
| F. Peabody SBL | -5 | 150 | 0 | 0 | AG | 164 | 7.1 | .0 | 10.0 |
| G. Cliffsid EBA | -150 | -7 | 0 | -7 | AG | 247 | 5.5 | .0 | 10.0 |
| H. Cliffsid EBD | 0 | -7 | 150 | -7 | AG | 220 | 3.7 | .0 | 10.0 |
| I. Cliffsid EBL | -150 | -5 | 0 | 0 | AG | 384 | 7.1 | .0 | 10.0 |
| J. Cliffsid WBA | 150 | 4 | 0 | 4 | AG | 110 | 5.5 | .0 | 10.0 |
| K. Cliffsid WBD | 0 | 4 | -150 | 4 | AG | 482 | 3.7 | .0 | 10.0 |
| L. Cliffsid WBL | 150 | 2 | 0 | 0 | AG | 134 | 7.1 | .0 | 10.0 |
| M. Peabody NBAX | 11 | -750 | 11 | -150 | AG | 1099 | 3.4 | .0 | 11.8 |
| N. Peabody NBDX | 11 | 150 | 11 | 750 | AG | 1168 | 3.4 | .0 | 10.0 |
| O. Peabody SBAX | -7 | 750 | -7 | 150 | AG | 1148 | 3.4 | .0 | 11.8 |
| P. Peabody SBDX | -7 | -150 | -7 | -750 | AG | 1252 | 3.4 | .0 | 10.0 |
| Q. Cliffsi EBAX | -750 | -7 | -150 | -7 | AG | 631 | 3.4 | .0 | 10.0 |
| R. Cliffsi EBDX | 150 | -7 | 750 | -7 | AG | 220 | 3.4 | .0 | 10.0 |
| S. Cliffsi WBAX | 750 | 4 | 150 | 4 | AG | 244 | 3.4 | .0 | 10.0 |
| T. Cliffsi WBDX | -150 | 4 | -750 | 4 | AG | 482 | 3.4 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 18 | -14 | 1.8 |
| 2. NW | -14 | 10 | 1.8 |
| 3. SW | -14 | -14 | 1.8 |
| 4. NE | 17 | 10 | 1.8 |
| 5. ES mdblk | 150 | -14 | 1.8 |
| 6. WN mdblk | -150 | 10 | 1.8 |
| 7. WS mdblk | -150 | -14 | 1.8 |
| 8. EN mdblk | 150 | 10 | 1.8 |
| 9. SE mdblk | 18 | -150 | 1.8 |
| 10. NW mdblk | -14 | 150 | 1.8 |
| 11. SW mdblk | -14 | -150 | 1.8 |
| 12. NE mdblk | 17 | 150 | 1.8 |
| 13. ES blk | 600 | -14 | 1.8 |
| 14. WN blk | -600 | 10 | 1.8 |
| 15. WS blk | -600 | -14 | 1.8 |
| 16. EN blk | 600 | 10 | 1.8 |
| 17. SE blk | 18 | -600 | 1.8 |
| 18. NW blk | -14 | 600 | 1.8 |
| 19. SW blk | -14 | -600 | 1.8 |
| 20. NE blk | 17 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 350. | 1.2 | .1 | .5 | .0 | .2 | .0 | .0 | .0 | .0 |
| 2. NW | 169. | 1.5 | .2 | .0 | .2 | .1 | .6 | .0 | .0 | .0 |
| 3. SW | 8. | 1.6 | .0 | .1 | .0 | .7 | .1 | .1 | .0 | .0 |
| 4. NE | 188. | 1.3 | .6 | .0 | .2 | .0 | .1 | .0 | .0 | .0 |
| 5. ES mdblk | 275. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 6. WN mdblk | 99. | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 8. EN mdblk | 265. | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 351. | 1.4 | .6 | .0 | .2 | .1 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | 1.4 | .1 | .1 | .0 | .8 | .0 | .1 | .0 | .0 |
| 11. SW mdblk | 8. | 1.3 | .1 | .1 | .1 | .0 | .7 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | 1.3 | .0 | .6 | .0 | .2 | .1 | .0 | .0 | .0 |
| 13. ES blk | 275. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 265. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 187. | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: ExistingwP-0 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .1 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .1 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .2 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .3 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .3 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .1 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .6 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .2 | .6 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .6 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .6 | .2 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Cum□01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 4 | -150 | 4 | 0 | AG | 1248 | 1.7 | .0 | 11.8 |
| B. Leisure NBD | 4 | 0 | 4 | 150 | AG | 1759 | 1.3 | .0 | 10.0 |
| C. Leisure NBL | 2 | -150 | 0 | 0 | AG | 0 | 1.1 | .0 | 10.0 |
| D. Leisure SBA | -9 | 150 | -9 | 0 | AG | 1656 | 1.6 | .0 | 13.5 |
| E. Leisure SBD | -9 | 0 | -9 | -150 | AG | 2480 | 1.3 | .0 | 13.5 |
| F. Leisure SBL | -5 | 150 | 0 | 0 | AG | 0 | 1.1 | .0 | 10.0 |
| G. I-80 WB EBA | -150 | -5 | 0 | -5 | AG | 0 | 1.1 | .0 | 10.0 |
| H. I-80 WB EBD | 0 | -5 | 150 | -5 | AG | 0 | 1.1 | .0 | 10.0 |
| I. I-80 WB EBL | -150 | -5 | 0 | 0 | AG | 0 | 1.1 | .0 | 10.0 |
| J. I-80 WB WBA | 150 | 5 | 0 | 5 | AG | 511 | 2.1 | .0 | 10.0 |
| K. I-80 WB WBD | 0 | 5 | -150 | 5 | AG | 0 | 1.1 | .0 | 10.0 |
| L. I-80 WB WBL | 150 | 5 | 0 | 0 | AG | 824 | 2.1 | .0 | 10.0 |
| M. Leisure NBAX | 4 | -750 | 4 | -150 | AG | 1248 | 1.1 | .0 | 11.8 |
| N. Leisure NBDX | 4 | 150 | 4 | 750 | AG | 1759 | 1.1 | .0 | 10.0 |
| O. Leisure SBAX | -9 | 750 | -9 | 150 | AG | 1656 | 1.1 | .0 | 13.5 |
| P. Leisure SBDX | -9 | -150 | -9 | -750 | AG | 2480 | 1.1 | .0 | 13.5 |
| Q. I-80 WB EBAX | -750 | -5 | -150 | -5 | AG | 0 | 1.1 | .0 | 10.0 |
| R. I-80 WB EBDX | 150 | -5 | 750 | -5 | AG | 0 | 1.1 | .0 | 10.0 |
| S. I-80 WB WBAX | 750 | 5 | 150 | 5 | AG | 1335 | 1.1 | .0 | 10.0 |
| T. I-80 WB WBDX | -150 | 5 | -750 | 5 | AG | 0 | 1.1 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Cum□01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 11 | -12 | 1.8 |
| 2. NW | -17 | 12 | 1.8 |
| 3. SW | -17 | -12 | 1.8 |
| 4. NE | 10 | 12 | 1.8 |
| 5. ES mdblk | 150 | -12 | 1.8 |
| 6. WN mdblk | -150 | 12 | 1.8 |
| 7. WS mdblk | -150 | -12 | 1.8 |
| 8. EN mdblk | 150 | 12 | 1.8 |
| 9. SE mdblk | 11 | -150 | 1.8 |
| 10. NW mdblk | -17 | 150 | 1.8 |
| 11. SW mdblk | -17 | -150 | 1.8 |
| 12. NE mdblk | 10 | 150 | 1.8 |
| 13. ES blk | 600 | -12 | 1.8 |
| 14. WN blk | -600 | 12 | 1.8 |
| 15. WS blk | -600 | -12 | 1.8 |
| 16. EN blk | 600 | 12 | 1.8 |
| 17. SE blk | 11 | -600 | 1.8 |
| 18. NW blk | -17 | 600 | 1.8 |
| 19. SW blk | -17 | -600 | 1.8 |
| 20. NE blk | 10 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Cum□01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 351. | .6 | .0 | .2 | .0 | .1 | .0 | .0 | .0 | .0 |
| 2. NW | 172. | .5 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .0 |
| 3. SW | 171. | .5 | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .0 |
| 4. NE | 188. | .7 | .2 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 5. ES mdblk | 285. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 92. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 87. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 259. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 352. | .5 | .3 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | .5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 9. | .6 | .0 | .0 | .0 | .0 | .4 | .0 | .0 | .0 |
| 12. NE mdblk | 187. | .5 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | 277. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 91. | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 89. | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 264. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 173. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 7. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 187. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Cum□01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .2 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .1 | .3 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .3 | .1 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Cum□02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 957 | 1.7 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 1244 | 1.3 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 346 | 2.1 | .0 | 10.0 |
| D. Leisure SBA | -4 | 150 | -4 | 0 | AG | 1228 | 2.0 | .0 | 10.0 |
| E. Leisure SBD | -4 | 0 | -4 | -150 | AG | 1427 | 1.4 | .0 | 10.0 |
| F. Leisure SBL | -2 | 150 | 0 | 0 | AG | 235 | 2.1 | .0 | 10.0 |
| G. Elmira R EBA | -150 | -4 | 0 | -4 | AG | 643 | 1.7 | .0 | 10.0 |
| H. Elmira R EBD | 0 | -4 | 150 | -4 | AG | 671 | 1.1 | .0 | 10.0 |
| I. Elmira R EBL | -150 | -2 | 0 | 0 | AG | 193 | 2.0 | .0 | 10.0 |
| J. Elmira R WBA | 150 | 2 | 0 | 2 | AG | 474 | 1.6 | .0 | 10.0 |
| K. Elmira R WBD | 0 | 2 | -150 | 2 | AG | 845 | 1.1 | .0 | 10.0 |
| L. Elmira R WBL | 150 | 2 | 0 | 0 | AG | 111 | 2.0 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 1303 | 1.1 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 1244 | 1.1 | .0 | 10.0 |
| O. Leisure SBAX | -4 | 750 | -4 | 150 | AG | 1463 | 1.1 | .0 | 10.0 |
| P. Leisure SBDX | -4 | -150 | -4 | -750 | AG | 1427 | 1.1 | .0 | 10.0 |
| Q. Elmira EBAX | -750 | -4 | -150 | -4 | AG | 836 | 1.1 | .0 | 10.0 |
| R. Elmira EBDX | 150 | -4 | 750 | -4 | AG | 671 | 1.1 | .0 | 10.0 |
| S. Elmira WBAX | 750 | 2 | 150 | 2 | AG | 585 | 1.1 | .0 | 10.0 |
| T. Elmira WBDX | -150 | 2 | -750 | 2 | AG | 845 | 1.1 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Cum□02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -10 | 1.8 |
| 2. NW | -10 | 8 | 1.8 |
| 3. SW | -10 | -10 | 1.8 |
| 4. NE | 12 | 8 | 1.8 |
| 5. ES mdblk | 150 | -10 | 1.8 |
| 6. WN mdblk | -150 | 8 | 1.8 |
| 7. WS mdblk | -150 | -10 | 1.8 |
| 8. EN mdblk | 150 | 8 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -10 | 150 | 1.8 |
| 11. SW mdblk | -10 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -10 | 1.8 |
| 14. WN blk | -600 | 8 | 1.8 |
| 15. WS blk | -600 | -10 | 1.8 |
| 16. EN blk | 600 | 8 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -10 | 600 | 1.8 |
| 19. SW blk | -10 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Cum□02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 351. | .6 | .0 | .2 | .0 | .1 | .0 | .0 | .0 | .0 |
| 2. NW | 171. | .6 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 |
| 3. SW | 8. | .7 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 4. NE | 188. | .6 | .2 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 97. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 82. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 8. EN mdblk | 264. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 352. | .6 | .2 | .0 | .1 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | .6 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 7. | .5 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | .5 | .0 | .2 | .0 | .1 | .0 | .0 | .0 | .0 |
| 13. ES blk | 276. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 264. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 186. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Cum□02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .2 | .1 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Cum□03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Leisure NBA | 5 | -150 | 5 | 0 | AG | 783 | 1.7 | .0 | 10.0 |
| B. Leisure NBD | 5 | 0 | 5 | 150 | AG | 1262 | 1.3 | .0 | 10.0 |
| C. Leisure NBL | 5 | -150 | 0 | 0 | AG | 118 | 2.0 | .0 | 10.0 |
| D. Leisure SBA | -7 | 150 | -7 | 0 | AG | 1043 | 2.1 | .0 | 10.0 |
| E. Leisure SBD | -7 | 0 | -7 | -150 | AG | 784 | 1.4 | .0 | 10.0 |
| F. Leisure SBL | -5 | 150 | 0 | 0 | AG | 131 | 2.0 | .0 | 10.0 |
| G. Alamo Dr EBA | -150 | -7 | 0 | -7 | AG | 270 | 1.6 | .0 | 10.0 |
| H. Alamo Dr EBD | 0 | -7 | 150 | -7 | AG | 330 | 1.1 | .0 | 10.0 |
| I. Alamo Dr EBL | -150 | -5 | 0 | 0 | AG | 370 | 2.1 | .0 | 10.0 |
| J. Alamo Dr WBA | 150 | 5 | 0 | 5 | AG | 325 | 1.6 | .0 | 10.0 |
| K. Alamo Dr WBD | 0 | 5 | -150 | 5 | AG | 725 | 1.1 | .0 | 10.0 |
| L. Alamo Dr WBL | 150 | 5 | 0 | 0 | AG | 61 | 2.0 | .0 | 10.0 |
| M. Leisure NBAX | 5 | -750 | 5 | -150 | AG | 901 | 1.1 | .0 | 10.0 |
| N. Leisure NBDX | 5 | 150 | 5 | 750 | AG | 1262 | 1.1 | .0 | 10.0 |
| O. Leisure SBAX | -7 | 750 | -7 | 150 | AG | 1174 | 1.1 | .0 | 10.0 |
| P. Leisure SBDX | -7 | -150 | -7 | -750 | AG | 784 | 1.1 | .0 | 10.0 |
| Q. Alamo D EBAX | -750 | -7 | -150 | -7 | AG | 640 | 1.1 | .0 | 10.0 |
| R. Alamo D EBDX | 150 | -7 | 750 | -7 | AG | 330 | 1.1 | .0 | 10.0 |
| S. Alamo D WBAX | 750 | 5 | 150 | 5 | AG | 386 | 1.1 | .0 | 10.0 |
| T. Alamo D WBDX | -150 | 5 | -750 | 5 | AG | 725 | 1.1 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Cum□03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 12 | -14 | 1.8 |
| 2. NW | -14 | 12 | 1.8 |
| 3. SW | -14 | -14 | 1.8 |
| 4. NE | 12 | 12 | 1.8 |
| 5. ES mdblk | 150 | -14 | 1.8 |
| 6. WN mdblk | -150 | 12 | 1.8 |
| 7. WS mdblk | -150 | -14 | 1.8 |
| 8. EN mdblk | 150 | 12 | 1.8 |
| 9. SE mdblk | 12 | -150 | 1.8 |
| 10. NW mdblk | -14 | 150 | 1.8 |
| 11. SW mdblk | -14 | -150 | 1.8 |
| 12. NE mdblk | 12 | 150 | 1.8 |
| 13. ES blk | 600 | -14 | 1.8 |
| 14. WN blk | -600 | 12 | 1.8 |
| 15. WS blk | -600 | -14 | 1.8 |
| 16. EN blk | 600 | 12 | 1.8 |
| 17. SE blk | 12 | -600 | 1.8 |
| 18. NW blk | -14 | 600 | 1.8 |
| 19. SW blk | -14 | -600 | 1.8 |
| 20. NE blk | 12 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Cum□03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 351. | .4 | .0 | .2 | .0 | .1 | .0 | .0 | .0 | .0 |
| 2. NW | 8. | .5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 3. SW | 8. | .5 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 4. NE | 262. | .4 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 98. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 80. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 265. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 353. | .4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 172. | .5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 6. | .4 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 12. NE mdblk | 189. | .4 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | 276. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 83. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 265. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 354. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 173. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 187. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Cum□03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Cum□04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Vanden R NBA | 2 | -150 | 2 | 0 | AG | 554 | 1.5 | .0 | 10.0 |
| B. Vanden R NBD | 2 | 0 | 2 | 150 | AG | 0 | 1.1 | .0 | 10.0 |
| C. Vanden R NBL | 2 | -150 | 0 | 0 | AG | 927 | 2.1 | .0 | 10.0 |
| D. Vanden R SBA | -2 | 150 | -2 | 0 | AG | 0 | 1.1 | .0 | 10.0 |
| E. Vanden R SBD | -2 | 0 | -2 | -150 | AG | 609 | 1.1 | .0 | 10.0 |
| F. Vanden R SBL | -2 | 150 | 0 | 0 | AG | 0 | 1.1 | .0 | 10.0 |
| G. Leisure EBA | -150 | -2 | 0 | -2 | AG | 615 | 2.1 | .0 | 10.0 |
| H. Leisure EBD | 0 | -2 | 150 | -2 | AG | 863 | 1.7 | .0 | 10.0 |
| I. Leisure EBL | -150 | -2 | 0 | 0 | AG | 0 | 1.1 | .0 | 10.0 |
| J. Leisure WBA | 150 | 7 | 0 | 7 | AG | 162 | 1.9 | .0 | 10.0 |
| K. Leisure WBD | 0 | 7 | -150 | 7 | AG | 1089 | 2.1 | .0 | 10.0 |
| L. Leisure WBL | 150 | 5 | 0 | 0 | AG | 303 | 2.1 | .0 | 10.0 |
| M. Vanden NBAX | 2 | -750 | 2 | -150 | AG | 1481 | 1.1 | .0 | 10.0 |
| N. Vanden NBDX | 2 | 150 | 2 | 750 | AG | 0 | 1.1 | .0 | 10.0 |
| O. Vanden SBAX | -2 | 750 | -2 | 150 | AG | 0 | 1.1 | .0 | 10.0 |
| P. Vanden SBDX | -2 | -150 | -2 | -750 | AG | 609 | 1.1 | .0 | 10.0 |
| Q. Leisure EBAX | -750 | -2 | -150 | -2 | AG | 615 | 1.1 | .0 | 10.0 |
| R. Leisure EBDX | 150 | -2 | 750 | -2 | AG | 863 | 1.1 | .0 | 10.0 |
| S. Leisure WBAX | 750 | 7 | 150 | 7 | AG | 465 | 1.1 | .0 | 10.0 |
| T. Leisure WBDX | -150 | 7 | -750 | 7 | AG | 1089 | 1.1 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Cum□04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 8 | -8 | 1.8 |
| 2. NW | -8 | 14 | 1.8 |
| 3. SW | -8 | -8 | 1.8 |
| 4. NE | 8 | 14 | 1.8 |
| 5. ES mdblk | 150 | -8 | 1.8 |
| 6. WN mdblk | -150 | 14 | 1.8 |
| 7. WS mdblk | -150 | -8 | 1.8 |
| 8. EN mdblk | 150 | 14 | 1.8 |
| 9. SE mdblk | 8 | -150 | 1.8 |
| 10. NW mdblk | -8 | 150 | 1.8 |
| 11. SW mdblk | -8 | -150 | 1.8 |
| 12. NE mdblk | 8 | 150 | 1.8 |
| 13. ES blk | 600 | -8 | 1.8 |
| 14. WN blk | -600 | 14 | 1.8 |
| 15. WS blk | -600 | -8 | 1.8 |
| 16. EN blk | 600 | 14 | 1.8 |
| 17. SE blk | 8 | -600 | 1.8 |
| 18. NW blk | -8 | 600 | 1.8 |
| 19. SW blk | -8 | -600 | 1.8 |
| 20. NE blk | 8 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Cum□04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 279. | .6 | .0 | .0 | .1 | .0 | .0 | .0 | .2 | .0 |
| 2. NW | 172. | .6 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | 82. | .5 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .2 |
| 4. NE | 187. | .5 | .1 | .0 | .2 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 276. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 |
| 6. WN mdblk | 99. | .5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 83. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 |
| 8. EN mdblk | 262. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 349. | .5 | .1 | .0 | .3 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 178. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 11. | .4 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | 182. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | 275. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 96. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 264. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 180. | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 6. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 181. | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Cum□04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .1 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

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

JOB: Brighton Landing
RUN: Cum□05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

## I. SITE VARIABLES

| | | | | | |
|---|---|---|---|---|---|
| U= | .5 M/S | Z0= | 100. CM | ALT= | 55. (M) |
| BRG= | WORST CASE | VD= | .0 CM/S | | |
| CLAS= | 7 (G) | VS= | .0 CM/S | | |
| MIXH= | 1000. M | AMB= | .0 PPM | | |
| SIGTH= | 10. DEGREES | TEMP= | 10.0 DEGREE (C) | | |

## II. LINK VARIABLES

| LINK DESCRIPTION | LINK COORDINATES (M) X1 | Y1 | X2 | Y2 | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---|---|---|---|---|---|---|---|---|---|
| A. Peabody NBA | 11 | -150 | 11 | 0 | AG | 785 | 1.7 | .0 | 11.8 |
| B. Peabody NBD | 11 | 0 | 11 | 150 | AG | 1330 | 1.3 | .0 | 10.0 |
| C. Peabody NBL | 9 | -150 | 0 | 0 | AG | 570 | 2.1 | .0 | 10.0 |
| D. Peabody SBA | -7 | 150 | -7 | 0 | AG | 1161 | 1.9 | .0 | 11.8 |
| E. Peabody SBD | -7 | 0 | -7 | -150 | AG | 1573 | 1.5 | .0 | 10.0 |
| F. Peabody SBL | -5 | 150 | 0 | 0 | AG | 159 | 2.0 | .0 | 10.0 |
| G. Cliffsid EBA | -150 | -7 | 0 | -7 | AG | 393 | 1.6 | .0 | 10.0 |
| H. Cliffsid EBD | 0 | -7 | 150 | -7 | AG | 198 | 1.2 | .0 | 10.0 |
| I. Cliffsid EBL | -150 | -5 | 0 | 0 | AG | 476 | 2.1 | .0 | 10.0 |
| J. Cliffsid WBA | 150 | 4 | 0 | 4 | AG | 118 | 1.6 | .0 | 10.0 |
| K. Cliffsid WBD | 0 | 4 | -150 | 4 | AG | 687 | 1.2 | .0 | 10.0 |
| L. Cliffsid WBL | 150 | 2 | 0 | 0 | AG | 126 | 2.0 | .0 | 10.0 |
| M. Peabody NBAX | 11 | -750 | 11 | -150 | AG | 1355 | 1.1 | .0 | 11.8 |
| N. Peabody NBDX | 11 | 150 | 11 | 750 | AG | 1330 | 1.1 | .0 | 10.0 |
| O. Peabody SBAX | -7 | 750 | -7 | 150 | AG | 1320 | 1.1 | .0 | 11.8 |
| P. Peabody SBDX | -7 | -150 | -7 | -750 | AG | 1573 | 1.1 | .0 | 10.0 |
| Q. Cliffsi EBAX | -750 | -7 | -150 | -7 | AG | 869 | 1.1 | .0 | 10.0 |
| R. Cliffsi EBDX | 150 | -7 | 750 | -7 | AG | 198 | 1.1 | .0 | 10.0 |
| S. Cliffsi WBAX | 750 | 4 | 150 | 4 | AG | 244 | 1.1 | .0 | 10.0 |
| T. Cliffsi WBDX | -150 | 4 | -750 | 4 | AG | 687 | 1.1 | .0 | 10.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Brighton Landing
RUN: Cum□05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | COORDINATES (M) X | Y | Z |
|---|---|---|---|
| 1. SE | 18 | -14 | 1.8 |
| 2. NW | -14 | 10 | 1.8 |
| 3. SW | -14 | -14 | 1.8 |
| 4. NE | 17 | 10 | 1.8 |
| 5. ES mdblk | 150 | -14 | 1.8 |
| 6. WN mdblk | -150 | 10 | 1.8 |
| 7. WS mdblk | -150 | -14 | 1.8 |
| 8. EN mdblk | 150 | 10 | 1.8 |
| 9. SE mdblk | 18 | -150 | 1.8 |
| 10. NW mdblk | -14 | 150 | 1.8 |
| 11. SW mdblk | -14 | -150 | 1.8 |
| 12. NE mdblk | 17 | 150 | 1.8 |
| 13. ES blk | 600 | -14 | 1.8 |
| 14. WN blk | -600 | 10 | 1.8 |
| 15. WS blk | -600 | -14 | 1.8 |
| 16. EN blk | 600 | 10 | 1.8 |
| 17. SE blk | 18 | -600 | 1.8 |
| 18. NW blk | -14 | 600 | 1.8 |
| 19. SW blk | -14 | -600 | 1.8 |
| 20. NE blk | 17 | 600 | 1.8 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Brighton Landing
RUN: Cum□05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

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. SE | 277. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | 169. | .6 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 |
| 3. SW | 8. | .6 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 4. NE | 262. | .5 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | 275. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | 100. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | 79. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | 265. | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | 350. | .5 | .2 | .0 | .1 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | 173. | .5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | 8. | .5 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .0 |
| 12. NE mdblk | 188. | .5 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | 275. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | 97. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 15. WS blk | 84. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 16. EN blk | 265. | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | 353. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | 174. | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | 7. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 20. NE blk | 187. | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 4

JOB: Brighton Landing
RUN: Cum□05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | CONC/LINK (PPM) I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. SE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 2. NW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 3. SW | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 4. NE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 5. ES mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 6. WN mdblk | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 7. WS mdblk | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 8. EN mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 9. SE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 10. NW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 11. SW mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 12. NE mdblk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 13. ES blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 14. WN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 |
| 15. WS blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 |
| 16. EN blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 17. SE blk | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 18. NW blk | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 |
| 19. SW blk | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 |
| 20. NE blk | .0 | .0 | .0 | .0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 |