Table 3-3
Calciner HAPs
Average + 3(Std Dev)

| Source | AQD #17 | AQD #48 | | AQD #17 | AQD #48 | AQD #80 | | AQD #17 | AQD #48 | | AQD #17 | AQD #48 | AQD #80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Increase | Increase | | Total | Total | Total | | Increase | Increase | | Total | Total | Total |
| Production Rate | 75 TPH | 38 TPH | | 400 TPH | 200 TPH | 275 TPH | | 75 TPH | 38 TPH | | 400 TPH | 200 TPH | 275 TPH |
| | See Note #1 | | | See Note #2 | | | | See Note #3 | | | See Note #4 | | |
| Emission Rate | PPH | PPH | | PPH | PPH | PPH | | TPY | TPY | | TPY | TPY | TPY |
| BENZENE | 4.70 | 2.02 | | 25.06 | 10.61 | 17.23 | | 20.58 | 8.83 | | 109.78 | 46.47 | 75.47 |
| 1,3 BUTADIENE | 9.73 | 5.88 | | 51.89 | 30.94 | 35.68 | | 42.62 | 25.75 | | 227.29 | 135.51 | 156.26 |
| ETHYLBENZE | 1.15 | 0.33 | | 6.15 | 1.73 | 4.23 | | 5.05 | 1.44 | | 26.94 | 7.59 | 18.52 |
| 2-BUTANONE | 3.68 | 0.51 | | 19.62 | 2.66 | 13.49 | | 16.11 | 2.22 | | 85.94 | 11.66 | 59.09 |
| HEXANE | 2.76 | 1.31 | | 14.71 | 6.90 | 10.11 | | 12.08 | 5.74 | | 64.42 | 30.23 | 44.29 |
| STYRENE | 1.12 | 0.79 | | 5.96 | 4.18 | 4.10 | | 4.90 | 3.48 | | 26.12 | 18.30 | 17.95 |
| TOLUENE | 2.49 | 0.65 | | 13.29 | 3.40 | 9.14 | | 10.91 | 2.83 | | 58.20 | 14.91 | 40.01 |
| XYLENE | 4.24 | 1.48 | | 22.60 | 7.78 | 15.54 | | 18.56 | 6.47 | | 99.01 | 34.06 | 68.07 |
| 1,1,1-TRICHLOROETHANE | 2.14 | 0.77 | | 11.43 | 4.03 | 7.86 | | 9.39 | 3.35 | | 50.06 | 17.64 | 34.42 |
| ACRYLONITRILE | 1.02 | 0.29 | | 5.45 | 1.52 | 3.75 | | 4.48 | 1.27 | | 23.88 | 6.66 | 16.42 |
| METHYLENE CHLORIDE | 0.24 | 0.36 | | 1.26 | 1.89 | 0.87 | | 1.03 | 1.57 | | 5.51 | 8.27 | 3.79 |
| TRICHLOROETHENE | 7.18 | 0.72 | | 38.28 | 3.79 | 26.32 | | 31.44 | 3.15 | | 167.68 | 16.60 | 115.28 |
| FORMALDEHYDE | 0.07 | 0.02 | | 0.38 | 0.12 | 0.26 | | 0.32 | 0.10 | | 1.69 | 0.55 | 1.16 |
| ACETALDEHYDE | 0.22 | 0.05 | | 1.19 | 0.24 | 0.82 | | 0.98 | 0.20 | | 5.23 | 1.04 | 3.59 |
| PROPIONALDEHYDE | 0.08 | 0.01 | | 0.42 | 0.07 | 0.29 | | 0.34 | 0.06 | | 1.84 | 0.32 | 1.26 |
| ACROLEIN | 0.33 | 0.06 | | 1.74 | 0.31 | 1.20 | | 1.43 | 0.26 | | 7.61 | 1.37 | 5.23 |
| ACETONE | 0.24 | 0.06 | | 1.26 | 0.31 | 0.87 | | 1.03 | 0.26 | | 5.51 | 1.38 | 3.79 |

Add 3(Std Deviation) to the Average for maximum expected emission rates.
Note #1: Emissions increase in PPH due to increase in production rate of calciners.
Note #2: Total emissions in PPH of the calciners following project.
Note #3: Emissions increase in TPY due to increase in production rate of calciners.
Note #4: Total emissions in TPY of the calciner following project.
* Chlorinated Compounds are suspect, see text, Section 3.1.1.1.5 for explanantion.