Duke Energy
Field Services

DUKE ENERGY FIELD SERVICES
3300 North A Street
Building 7
Midland, TX 79705

915 620 4000

September 2, 2003

New Mexico Oil Conservation Division
District 1
1625 N. French Dr.
Hobbs, NM 88240

Dear Sirs:

Pursuant to the NMOCD Rule 118, please find attached the calculations indicating radius of exposure determinations for 100 PPM and 500 PPM concentrations of hydrogen sulfide for the indicated Duke Energy Field Services locations/facilities.

These calculations are being provided for existing DEFS locations/facilities as indicated in the recent rule change for Rule 118 which went into effect March 2, 2003.

Should you have any questions regarding this information please do not hesitate to give me a call at (432) 620-4101.

Sincerely,

Randy Graves

Randy Graves
Duke Energy Field Services
Western Division – HS Manager

# DUKE ENERGY FIELD SERVICES
# HYDROGEN SULFIDE RADIUS OF EXPOSURE CALCULATIONS

| Booster or Plant Name: | H2S MOL % | Avg MCFD | 100 PPM ROE | 500 PPM ROE |
|---|---|---|---|---|
| Amanda | 0.742 | 9,223 | 1418.34 | 648.13 |
| Artesia Plant 5# Inlet | 0.948 | 14,691 | 2212.54 | 1011.05 |
| Artesia Plant 750# Inlet | 0.487 | 51,326 | 3190.42 | 1457.91 |
| Burton Flats | 0.152 | 12,736 | 643.56 | 294.08 |
| Dagger Draw | 0.782 | 3,059 | 734.70 | 335.73 |
| Eunice Plant 200# Inlet | 1.033 | 67,906 | 6085.49 | 2780.84 |
| Eunice Plant 550# Inlet | 0.332 | 24,402 | 1576.31 | 720.32 |
| Golf Course | 0.442 | 18,191 | 1568.87 | 716.92 |
| Greyburg | 0.969 | 14,303 | 2205.83 | 1007.98 |
| Jackson | 1.062 | 8,419 | 1676.64 | 766.16 |
| Jay | 0.971 | 5,159 | 1166.78 | 533.18 |
| Linam Ranch Plant Buckeye Inlet | 0.824 | 39,438 | 3759.88 | 1718.13 |
| Linam Ranch Plant Eddy Co 200# In | 0.675 | 64,454 | 4513.05 | 2062.30 |
| Linam Ranch Plant Lea Co 200# Inl | 0.116 | 38,277 | 1081.94 | 494.41 |
| Loco Hills | 1.160 | 6,319 | 1480.63 | 676.59 |
| Lovington | 3.470 | 5,951 | 2831.00 | 1293.66 |
| Lynch | 0.036 | 8,092 | 196.72 | 89.90 |
| Maljamar | 0.527 | 2,789 | 541.67 | 247.52 |
| Monument Discharge | 2.862 | 16,988 | 4838.05 | 2210.81 |
| Oil Center | 0.898 | 8,347 | 1501.47 | 686.12 |
| Quail | 0.358 | 5,589 | 657.00 | 300.22 |
| Shugart | 0.055 | 4,658 | 181.53 | 82.95 |
| Square Lake | 0.721 | 5,834 | 1045.93 | 477.95 |