Permit Number 49138

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

| Emission | Source | Air | Contaminant | Emission F | Rates* |
|---------------|---------------------------|---|---|--------------------|--------|
| Point No. (1) | Name (2) | | Name (3) | lb/hr | TPY** |
| 60FLR_003 | High-Pressure Flare (5) (| 7) CO SO ₂ VOC H ₂ S | NO _x 587.70 9,747.00 685.90 105.70 | 115.30 | |
| 60FLR_003 | High-Pressure Flare (5) (| 7) (11) CO SO ₂ VOC H ₂ S | 112.77 234.58 131.62 2.54 | NO _x | 22.13 |
| 60FLR_005 | Low-Pressure Flare (5) (6 | | 5.80 794.10 19,698.00 1,286.00 213.60 | NO _x | |
| 60FLR_005 | Low-Pressure Flare (5) (6 | 5) (7) (1 CO SO ₂ VOC H ₂ S | 282.19 708.04 457.18 7.68 | NO _x | 55.38 |
| 60FLR_008 | FCC Flare (5) (7) | CO SO ₂ | NO _x 700.00 6,808.00 | 96.92 | |

| Emission Point No. (1) | Source Name (2) | Air | Contaminant Name (3) | Emission F | Rates * TPY** |
|---------------------------|---------------------------|--|--|-------------------|------------------|
| | (-) | VOC H₂S | 1,097.00 73.81 | | |
| 60FLR_008 | FCC Flare (5) (7) (11) | CO SO ₂ VOC H ₂ S | NO _x 53.30 64.96 83.53 0.70 | 7.38 | |
| 60FLR_001 | CHD1 Flare (5) (6) (9) | CO SO ₂ VOC H ₂ S | NO _x 427.80 10,741.00 470.10 116.50 | 83.96 | |
| 60FLR_006 | No. 6 Flare (8) | CO SO ₂ VOC H ₂ S | NO _x 253.40 712.40 391.00 7.72 | 35.09 | |
| 60FLR_007 | No. 7 Flare (5) (8) | CO SO ₂ VOC H ₂ S | NO _x 521.90 1,326.00 1,048.00 14.38 | 72.26 | |
| 60FLR_010 | No. 10 Flare (5) (8) | CO SO ₂ VOC H ₂ S | NO _x 277.30 696.00 537.70 7.55 | 38.39 | |
| 60FLR_010 | No. 10 Flare (5) (8) (11) | | SO ₂ H ₂ S | 117.58 1.27 | |

| Emission | Source | Air | Contaminant | Emissio | n Rates * |
|---|--------------------|-----|---|------------------|-----------|
| Point No. (1) | Name (2) | | Name (3) | lb/hr | TPY** |
| 60FLR_002 | CHD2 Flare (9) | | NO _x 9.27 211.68 4.47 2.29 | 1.82 | |
| NO _x Annual Cap fo | | | Initial NO _x Cap | | 98.48 |
| EPNs 60FLR_001, 60FLR_002, 60FLR_003, 60FLR_005, 60FLR_006, 60FLR_007, 60FLR_008, and 60FLR_010 | | | Final NO _x Cap (10) | | 56.76 |
| CO Annual Cap for Flares EPNs 60FLR 001, | | | Initial CO Cap | | 644.96 |
| 60FLR_002, 60FL 60FLR_005, 60FL 60FLR_007, 60FL and 60FLR_010 | .R_003, .R_006, | | Final CO Cap (10) | | 375.51 |
| SO ₂ Annual Cap for EPNs 60FLR 001 | | | Initial SO ₂ Cap | | 3685.44 |
| 60FLR_002, 60FL 60FLR_005, 60FL 60FLR_007, 60FL and 60FLR_010 | .R_003, .R_006, | | Final SO ₂ Cap (10) | | 2056.56 |
| VOC Annual Cap for EPNs 60FLR 001 | | | Initial VOC Cap | | 844.08 |
| 60FLR_002, 60FL 60FLR_005, 60FL 60FLR_007, 60FL and 60FLR_010 | .R_003, .R_006, | | Final VOC Cap (10) | | 515.65 |

| Emission Source | | Air Contaminant | | Emission Rates * | |
|--|---------------------------|--|---|--------------------------------------|----------------|
| Point No. (1) | Name (2) | | Name (3) | lb/hr | TPY** |
| H ₂ S Annual Cap for Fla EPNs 60FLR_001, 60FLR_002, 60FLR_ 60FLR_005, 60FLR_ 60FLR_007, 60FLR_ and 60FLR_010 | 003, 006, | | Initial H ₂ S Cap Final H ₂ S Cap (10) | | 39.95 22.20 |
| 60FLR_003 | High Pressure Flare Pilot | 0.0 CO SO ₂ | 0.12 0.01 0.05 | NO _x 0.54 0.01 0.02 0.01 | 0.02 |
| 60FLR_005 | Low Pressure Flare Pilot | 0.0 CO SO ₂ | 0.12 | NO _x 0.54 0.01 0.02 0.01 | 0.02 |
| 60FLR_008 | FCC Flare Pilot Gas | CO SO ₂ VOC H ₂ S | NO _x 0.09 0.01 0.05 0.01 | 0.01 0.41 0.01 0.22 0.01 | 0.06 |
| 60FLR_001 | CHD1 Flare Pilot Gas | CO SO ₂ VOC H ₂ S | NO _x 0.05 0.01 0.02 0.01 | 0.01 0.24 0.01 0.10 0.01 | 0.03 |
| 60FLR_006 | No. 6 Flare Pilot Gas | CO SO ₂ VOC H ₂ S | NO _x 0.22 0.01 0.09 0.01 | 0.03 0.96 0.01 0.38 0.01 | 0.13 |
| 60FLR_007 | No. 7 Flare Pilot Gas | СО | NO _x 0.22 | 0.03 0.96 | 0.13 |

| Emission | Source | Air Contaminant | | Emission Rates * | |
|---------------|----------|-----------------|----------|------------------|-------|
| Point No. (1) | Name (2) | | Name (3) | lb/hr | TPY** |
| | | | | | |
| | | SO_2 | 0.01 | 0.01 | |
| | | VOC | 0.09 | 0.38 | |
| | | H_2S | 0.01 | 0.01 | |

| 60FLR_010 | No. 10 Flare Pilot Gas | CO SO ₂ VOC H ₂ S | NO _x 0.51 0.01 0.20 0.01 | 0.07 2.23 0.01 0.89 0.01 | 0.31 |
|-----------|--|--|---|--------------------------------------|------|
| 60FUG_002 | HP, LP, and FCC Flare Fugitives (4) | | VOC | 1.29 | 5.66 |
| 60FUG_001 | CHD1 and CHD2 Flare Fugitives (4) | | VOC | 0.86 | 3.77 |
| 60FUG_003 | Nos. 6, 7, and 10 Flare Fugitives (4) | | VOC | 1.29 | 5.66 |

- (1) Emission point identification either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3) NO_x total oxides of nitrogen
 - CO carbon monoxide
 - SO₂ sulfur dioxide
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - H₂S hydrogen sulfide
- (4) Emission rate is an estimate and is only enforceable through compliance with the applicable special condition(s) and permit application representations.
- (5) The annual allowable emission rate for CO, NO_x, and VOC at each of these emission points shall be reduced by 50 percent effective December 31, 2007.
- (6) The annual allowable emission rate for SO₂ and H₂S at each of these emission points shall be reduced by 80 percent effective December 31, 2007.
- (7) Each of these flares may serve as backup for one or both of the other two flares. The allowable emissions for the off-line flare may be added to the backup flare allowable emission rate when operating in that mode.
- (8) Each of these flares may serve as backup for one or both of the other two flares. The allowable emissions for the off-line flare may be added to the backup flare allowable emission rate when operating in that mode.

- (9) Each of these flares may serve as backup for the other flare. The allowable emissions for the off-line flare may be added to the backup flare allowable emission rate when operating in that mode.
- (10) This emission cap will be effective December 31, 2007, if the study in accordance with Special Condition No. 7, is not provided.
- (11) These emission rates will be effective no later than July 1, 2009.
- * Emission rates are based on a continuous operating schedule.
- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated November 12, 2007