

**City of Grand Prairie
Environmental Services Department
Noise Review Worksheet**

Approved: ☐
Not Approved: ☐

Date:
Company:
Well Name:
Location:
Noise Consultant:

☐ Class 1 ☐ Class 2

Y N
☐ ☐ Within 1,000 feet of a protected use*

- | | Y | N | N/A | |
|-----|--------------------------|--------------------------|--------------------------|---|
| 1. | ☐ | ☐ | ☐ | Description of proposed facility/operation |
| 2. | ☐ | ☐ | ☐ | 72 hour ambient noise level study completed |
| 3. | ☐ | ☐ | ☐ | Noise sources identified |
| 4. | ☐ | ☐ | ☐ | Abatement measures identified |
| 5. | ☐ | ☐ | ☐ | Abatement measures product information |
| 6. | ☐ | ☐ | ☐ | * 30 foot noise blanket on boundaries facing protected uses |
| 7. | ☐ | ☐ | ☐ | * Noise blanket on rig substructure |
| 8. | ☐ | ☐ | ☐ | * Noise blankets around rig floor area |
| 9. | ☐ | ☐ | ☐ | * Noise blankets on brake drum housings and pumps |
| 10. | ☐ | ☐ | ☐ | * Noise blankets on mud pumps |
| 11. | ☐ | ☐ | ☐ | * Noise blankets on diesel motors and generators |
| 12. | ☐ | ☐ | ☐ | * Mufflers on internal combustion engines |
| 13. | ☐ | ☐ | ☐ | * Continuous monitoring plan with city data access |
| 14. | ☐ | ☐ | ☐ | * Noise wall specifications indicates minimum of 30 STC |
| 15. | ☐ | ☐ | ☐ | * Detailed site plan |

- | Y | N | N/A | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| ☐ | ☐ | ☐ | Boundary noise blankets |
| ☐ | ☐ | ☐ | Rig layout noise reduction blankets |
| ☐ | ☐ | ☐ | Mufflers |
| ☐ | ☐ | ☐ | Protected uses within 1,000 feet |
| ☐ | ☐ | ☐ | Ambient noise collection point |
| ☐ | ☐ | ☐ | Continuous monitoring location |

Noise standards (permitted increase over ambient) for all natural gas drilling operations (compliance measured at the nearest protected use receiver's/receptor's property line or one hundred (100) feet from the nearest protected use structure, whichever is closer to the receiver/receptor.)

	DRILLING OPERATION LIMITS dB(A)	FRACTURE LIMITS dB(A)	FLOWBACK LIMITS dB(A)	TEMPORARY COMPRESSOR LIMITS dB(A)
DAY	+5	+10	+5	+5
NIGHT	+3	N/A	+3	+3

Note 1: At any time in a measurement period, no noise may exceed the maximum sound level standard plus 20 dB(A). The time period of monitoring will be continuous over a minimum of fifteen (15) minutes and will use the A-weighting network reported in decibel units. Data shall be recorded and reported as Leq which shall mean an average measure of continuous noise that has the equivalent acoustic energy of the fluctuating signal over the same period.

Note 2: Fracing only permitted during daylight hours; except during emergency situations with approval.

Noise limits for this well:

Ambient = dB(A)

	DRILLING OPERATION LIMITS dB(A)	FRACTURE LIMITS dB(A)	FLOWBACK LIMITS dB(A)	TEMPORARY COMPRESSOR LIMITS dB(A)
DAY				
NIGHT		N/A		

Notes: