



VISIBLE EMISSIONS OBSERVATION FORM
 NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY
 DIVISION OF AIR QUALITY
 SFN 8441 (03-19)

| | |
|-------------------|-----------------------|
| Company Name | Observation Date |
| Facility Location | Permit To Operate No. |

| | | | |
|---------------------------------|-----------------------------------|-------------------------|---------------------------|
| Process Stack Name | Control Equipment | Process Rate | |
| Stack Height Above Ground Level | Stack Height Relative to Observer | Describe Stack | |
| Distance From Observer | Direction From Observer | Vertical Angle To Plume | Horizontal Angle To Plume |

| | | | |
|---|-------------|------------------|---------------------------------------|
| Describe Plume | Plume Color | Plume Background | Background Color |
| Water Droplet Plume: Attached <input type="checkbox"/> Detached <input type="checkbox"/> N/A <input type="checkbox"/> | | | Point In Plume Where Opacity Was Read |

| | | | | |
|---------------|------------|----------------|------------------|-----------------------|
| Sky Condition | Wind Speed | Wind Direction | Ambient Temp (F) | Relative Humidity (%) |
|---------------|------------|----------------|------------------|-----------------------|

| Time Observations Start | | | | | Time Observations End | | | | | Witness | | | | | | | | | |
|-------------------------|---|----|----|----|-----------------------|--|--|--|--|---------|---|----|----|----|----------|--|--|--|--|
| | 0 | 15 | 30 | 45 | Comments | | | | | | 0 | 15 | 30 | 45 | Comments | | | | |
| 1 | | | | | | | | | | 13 | | | | | | | | | |
| 2 | | | | | | | | | | 14 | | | | | | | | | |
| 3 | | | | | | | | | | 15 | | | | | | | | | |
| 4 | | | | | | | | | | 16 | | | | | | | | | |
| 5 | | | | | | | | | | 17 | | | | | | | | | |
| 6 | | | | | | | | | | 18 | | | | | | | | | |
| 7 | | | | | | | | | | 19 | | | | | | | | | |
| 8 | | | | | | | | | | 20 | | | | | | | | | |
| 9 | | | | | | | | | | 21 | | | | | | | | | |
| 10 | | | | | | | | | | 22 | | | | | | | | | |
| 11 | | | | | | | | | | 23 | | | | | | | | | |
| 12 | | | | | | | | | | 24 | | | | | | | | | |

| SOURCE LAYOUT SKETCH | OBSERVER INFORMATION |
|---|--|
| Emission Observation Point X Observer Position 140° Sun Location Line Draw North Arrow | Name (Print) <hr/> Signature Date <hr/> Organization <hr/> Certified By Date <hr/> Remarks |