



Knox County Board of Commissioners

Drenda Keesee

Barry Lester

Bill Pursel

Clerk/Administrative Assistant

County Administrator

Budget Analyst

Mallory Poole

Jason Booth

Penny Doyle

SALT BRINE APPLICATION

WRITTEN PLAN FOR SURFACE APPLICATION OF BRINE FOR PURPOSES OF ICE
AND DUST CONTROL UPON PRIVATE ROADS OR SIMILAR SURFACES

FROM:

Business Name/Owner

Address/City/State/Zip

Phone Number

Email

1. The surface application of brine shall be subject to the following standards:
 - A. "Brine" shall mean all saline geological formation water resulting, obtained, or produced in connection with the exploration, drilling or production of oil or gas.
 - B. Surface application of brine is permitted only for the purpose of dust or ice control.
 - C. Brine shall not be applied:
 1. To a water-saturated surface.
 2. Directly to vegetation near or adjacent to surfaces being treated.
 3. Within twelve feet of structures crossing bodies of water or crossing drainage ditches.
 4. Between sundown and sunrise, except for ice control.

2. Source of brine: (Be specific – include well permit numbers, etc.)

3. Transporters of brine:

Name: _____

Address: _____

Registration Certification Number: _____



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4. Places to which brine will be applied:

5. Method, rate and frequency of application:

- A. The discharge of brine through the spreader bar shall stop, when the application stops.
- B. The applicator vehicle shall be moving at least five miles per hour at all times, while the brine is being applied.
- C. The maximum spreader bar nozzle opening shall be three-eighths of an inch in diameter.
- D. The maximum uniform application rate of brine shall be three thousand gallons per mile on a twelve-foot wide road or three gallons per sixty square feet on unpaved lots.
- E. The applicator vehicle discharge valve shall be closed between the brine collection point and the specific surfaces that have been approved for brine application.
- F. Any valves that provide for tank drainage other than through the spreader bar shall be closed during the brine application and transport.
- G. The angle of discharge from the applicator vehicle spreader bar shall not be greater than sixty degrees from the perpendicular to the unpaved surface.
- H. Only the last twenty-five percent of an applicator vehicle's contents shall be allowed to have pressure greater than atmospheric pressure; therefore, the first seventy-five percent of the applicator vehicle's contents shall be discharged under atmospheric pressure.
- I. Only brine that is produced from a well that is not a horizontal well, shall be allowed to be spread on a road. Fluids from the drilling of a well, flowback from the stimulation of a well, and other fluids used to treat a well shall not be spread on the road.
- J. Frequency of application:

6. Other terms and conditions:

Submitted by: _____ Date: _____

**APPLICATION MUST BE SUBMITTED ALONG WITH A CHECK FOR \$50.00
MADE PAYABLE TO: KNOX COUNTY COMMISSIONERS**