



Chemigating in Tri-Basin NRD: *Getting Started*

Before chemigating, you must obtain an applicator's certification number. Chemigation certification classes are held every February and March. Contact your local Extension office about chemigation training.

New Chemigation Site Checklist

- ◆ The person responsible for deciding the rate and timing of fertilizer application for a farm operation must obtain a chemigation applicator's certification number.
- ◆ Make arrangements with a pivot dealer or well driller to have the chemigation equipment set up (most new center pivots come with a chemigation package).
- ◆ Contact Tri-Basin NRD to obtain a chemigation permit for each irrigation system that will be used to apply fertilizer or ag chemicals. You will need the following:
 - Legal description of well location
 - Applicator's chemigation certification number
 - \$50.00 per new system
- ◆ Set an appointment with Tri-Basin NRD to have the system inspected. Allow three days' notice for an inspection.

You may apply for a new permit any time between February and August. The well must be operational, and the system must pass inspection before a chemigation permit can be approved.

[You may not use the system until it has passed inspection and you hold an approved chemigation permit!](#)

Cost of Chemigation Permits

Renewals.....	\$15.00
New permits.....	\$50.00
Emergency permits.....	\$250.00

Once you have completed the process for obtaining a new chemigation permit, we will send out annual permit renewal applications in January. Renewal permits are due in the Tri-Basin NRD office by June 1st of each year.

Chemigation Inspection Process



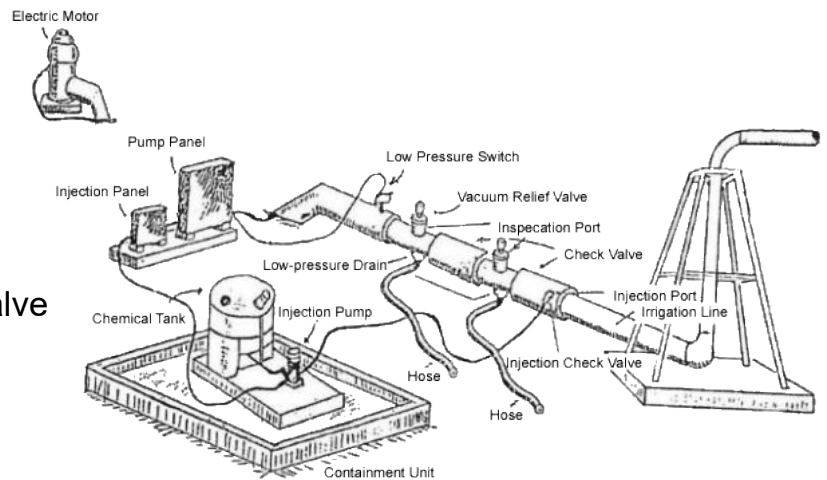
Initial Inspections: Whenever a permit is considered NEW (first time use or lapse in renewal), an initial inspection must be completed and passed before use of the system.

Re-inspections: Systems are required to be re-inspected every three years. You will be notified the year your system is due for re-inspection. These inspections must be completed and passed for the system to be eligible for renewal the following year.

Equipment Requirements

Six specific equipment requirements are included in the laws related to chemigation. These items must be in place before any system is approved for a permit and must also be in place and in use during any application.

- ◆ Mainline Check Valve
- ◆ Vacuum Relief Valve
- ◆ Inspection Port
- ◆ Automatic Low-Pressure Drain
- ◆ Chemical Injection Line Check Valve
- ◆ Simultaneous Interlock Device



Inspection Procedures

The system will need to be started and operating at normal operating pressure for 1 minute. NRD staff will then check the following:

- Did some water discharge from the low pressure drain and then stop as the system's pressure increased?
- Is the chemical injection line check valve free of water leaks?

During shutdown of the system, NRD staff will check the following:

- Does the injection pump shut off when the system shuts off?
- Was air drawn into the pipeline through the vacuum relief valve?
- Is the irrigation pipeline check valve watertight?
- Did some water discharge from the low pressure drain and then stop (this will occur if the pipeline check valve is not leaking)?