



SDI

NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPLICATION FOR A CLASS V UNDERGROUND
INJECTION WELL – SUB-SURFACE IRRIGATION SYSTEMS

FOR
AGENCY
USE
ONLY

Table with 3 columns: APPLICATION NUMBER, DATE RECEIVED, and YEAR/MO./DAY.

This application is in addition to the "Application for Chemigation Permit" which you should have already submitted to your local Natural Resources District. The underground injection application is a Federal requirement and will be used to inventory these types of systems in the State of Nebraska. Please answer EVERY item on this application to the best of your knowledge. An incomplete application may be returned to you. If you have questions while filling out this application, please refer to Title 122, Chapter 11 or call (402) 471-4290 and someone will assist you.

1. Please provide the following information:

Name: _____

Address: _____

Mailing Address (if different): _____

City/Zip: _____ Telephone No.: _____

Printed Name and Signature Date

2. Please provide an aerial photograph (obtained at your local NRCS or ASCS office or the NDNR at http://www.dnr.ne.gov) of the Section in which your sub-surface irrigation system is installed. Using this photo, please outline the area that will be irrigated by this system and try to locate all water wells including irrigation and domestic wells within this Section.

Legal Location (i.e. NW 1/4 of the SE 1/4 of Section 27, Township 14 North, Range 1 East)

County: _____

Natural Resources District: _____

3. What is the average flow in gallons per minute of this irrigation system? _____

4. What is the depth to ground water where this system is located? _____

Note: This information can be obtained from your irrigation well registration, soil surveys, or your local NRD.

5. Please provide any construction details from water wells that you operate and have identified on the map above (please attach).

Note: This information should be provided to you by the installer of the well.

6. Please provide any construction details of the subsurface irrigation system installed on your property (please attach).

Note: This information should be provided to you by the installer of the system.

Please return this application within 30 days of receiving it. The underground injection and chemigation application will be reviewed by the NDEQ to ensure the protection of ground water quality. If the system is found to be adequate, an Underground Injection Authorization will be issued. Current State law requires that you obtain and Underground Injection Authorization before operating your sub-surface irrigation system. If you have any questions regarding this form or underground injection, please call (402) 471-4290 for assistance.

Return completed Application to:

Nebraska Department of Environmental Quality
Ground Water Unit/UIC Program
P.O. Box 98922
Lincoln, Nebraska 68509-8922

How to comply with Title 122

No person shall construct or operate any Class V well in the State without authorization from the Department (Title 122, Ch. 6, § 001). SDI systems need a UIC authorization if you chemigate or not.

- **IF YOU CHEMIGATE:** Complete and submit (prior to construction) an **Application for Underground Injection of Fluids using a Sub-Surface Irrigation System** form (Web Page) and a copy of an application for **Chemigation Permit**.
- **IF YOU DON'T CHEMIGATE:** Complete and submit an **Application for a Class V Injection Well Authorization** form (Web Page) if a Chemigation Permit was not needed.

After your installer has provided the design of the system, either fill out the entire Application for a Class V Injection Well Authorization or use the Application for Underground Injection of Fluids using a Sub-surface Irrigation System with an attached copy of your Chemigation Permit. The following is a list of minimum requirements for Class V Authorization:

1. The Operators name, address, phone number and signature (Title 122, Ch. 10, § 006.02 & 006.16).
2. The County and legal location of the SDI system (Title 122, Ch. 10, § 006.04).
3. A description of what will be injected into the system (Title 122, Ch. 10, § 006.05).
4. NRCS air photo of the Section with SDI system located and all water wells in the Section located (Title 122, Ch. 10, § 006.09 & 006.10).
5. Construction details of your irrigation well with drillers log (Title 122, Ch. 10, § 006.09D & 006.14).
6. Confirmation that siting distances have been met (Title 122, Ch. 10, § 006.12).
7. Construction details of your SDI system (Title 122, Ch. 10, § 006.11).
8. Depth to groundwater (Title 122, Ch. 10, § 006.13).

NOTE: Make sure your system meets all of the setbacks and separation distance between groundwater.

- The NDEQ will review your application and make sure that the system, if operated properly will not adversely affect the groundwater. This process usually takes a week to 10 days.
- If the review is successful (in most cases they are) an authorization will be issued for a period of 10 years. The entire process will be repeated every 10 years.
- There is **NO** fee for a Class V Authorization.