



Iroquois County Public Health Department

GEO THERMAL WELL PROGRAM PROCEDURE

I. PURPOSE:

Protect the health of the public by ensuring that GEO thermal wells are constructed and maintained according to local and state regulations.

II. POLICY:

Issue permits to install GEO thermal wells on properties located in Iroquois County in accordance with state and local requirements and to provide education to the public about water well construction and safety issues concerning private wells.

III. PROCEDURE:

1. When the Iroquois County Public Health Department is notified that a new GEO thermal well may be constructed the following information will be made available to the client:
 - a. Application for Permit to Construct or Deepen a Potable Water Well/GEO thermal well
 - b. A list of GEO Thermal contractors.
2. After receipt of a completed application, the permit fee of \$100 and the inspection fee of \$150, a Licensed Environmental Health Practitioner will review the application for approval. If the application cannot be approved the applicant will be notified of the problem, either by mail or phone, and told to complete the application and resubmit it.
3. The application information into the computer and print an inspection report.
4. The copy of the application will be mailed to the GEO thermal contractor. The property owner will receive a letter of application approval.
5. The original application and the Iroquois County Public Health Department well inspection report will be put into the **Incomplete Wells** book.
6. The GEO thermal Contractor shall give the Iroquois County Public Health Department 24 hour notice prior to starting the GEO thermal well so that Licensed Environmental Health Practitioner (LEHP)/ Licensed Environmental Health Practitioner in training (LEHPIT) may go to the site and inspect the well.

WELL PROGRAM PROCEDURE

7. During a GEO thermal well inspection, the LEHP/LEHPIT will note the distances from the GEO thermal well to:
 - a. Existing well
 - b. Septic tank
 - c. Seepage field
 - d. Bodies of water
 - e. Abandoned wells
 - f. Other sources of contamination

The LEHP? LEHPIT will also note any old wells, sealed wells, and any other unidentified objects in the ground.

8. The GEO thermal well will be constructed according to the **Illinois Water Well Construction Code**.
9. The completed inspection report shall be filed in the **No Log** book. The GEO thermal well log should be received within in 30 days. If the log is not received, the LEHP/LEHPIT will generate a letter to the contractor notifying him of the problem.
10. After the Iroquois Country Public Health Department receives the log, the owner will be sent a copy of their completed file. The original GEO thermalwell log will be mailed to:

**Illinois Water Survey
2204 Griffith Drive
Champaign, Illinois 61820**

The completed well file will be entered in the computer and filed in the appropriate book.