GEOTHERMAL WELL APPLICATION

All sections of this form must be filled out if applicable or it may be deemed incomplete and will result in a delay of processing or rejection. (Title 77: Chapter I: Subchapter r: Part 920: Section 200 b) Permit Requirements)

Property Information
PIN: _____________________________  Street Address: _____________________________
Subdivision: _______________________  Lot #: ________________________________
Township: ________________________

GPS Coordinates of Center of Geothermal System
Lat: Degrees __________ Minutes __________ Seconds __________ N
Lon: Degrees __________ Minutes __________ Seconds __________ W

Applicant Information
Name: ___________________________  Mailing Address: _____________________________
City: ___________ State: ____________  Phone: _______________________________
Email: ___________________________

Closed Loop Well Contractor/Excavator Information
Name: ___________________________  Mailing Address: _____________________________
City: ___________ State: ____________  Phone: _______________________________
Email: ___________________________

Closed Loop Well System Information

Grouting

- Bentonite
- Bentonite/Sand Mixture
- Neat Cement
- Concrete
- Length of Tremie Pipe Used: __________ ft.
- # of Bags of Grout: _____________

Construction Information

Type of facility to be served [check one]:
- Single Family Residence
- Apartment Building
- Business/Commercial
- Factory/Industrial

Type of installation [check one]:
- Vertical Closed Loop
- Body of Water Closed Loop
- Horizontal Closed Loop Trench Method
- Horizontal Directional Boring
- Both
- Number of Boreholes: _____________
- Depth of Boreholes: _____________ ft.
- Diameter of Boreholes: _____________ in.

Loop Components

Piping utilized:
- ASTM D3035
- ASTM D2447
- Other (with approval or meets (NSF) STD 60): _____________
- Loop depth: __________ ft.

Coolant utilized:
- Methanol
- Ethanol
- USP Food Grade Propylene Glycol
- Ethylene Glycol
Proposed Plot Layout

(Title 77: Chapter I: Subchapter r: Part 920: Section 200 b) 6; Permit Requirements)

- Drawing MUST include 1) all property lines/dimensions, 2) sources of contamination and 3) isolation distances.
- ALSO, please mark the required information in the drawing by placing an ‘X’ in the appropriate blank for each item.

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>N/A</th>
<th></th>
<th>YES</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings</td>
<td></td>
<td></td>
<td>Existing well(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Septic Tank</td>
<td></td>
<td></td>
<td>Water Lines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seepage Field</td>
<td></td>
<td></td>
<td>Barnyards</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sewer</td>
<td></td>
<td></td>
<td>Manure Pile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Privy</td>
<td></td>
<td></td>
<td>Fuel Tank</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cesspool</td>
<td></td>
<td></td>
<td>Lakes, Ponds, Streams</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REMINDER:**
- Any Contractor who constructs, modifies, or seals a closed loop well shall notify this department by telephone or in writing at least two days prior to commencement of the work.
- Within 30 days after a closed loop well system is completed or abandoned and sealed, the Contractor shall submit a report of completion

**Contractor Signature**
I hereby certify that I have reviewed this application and agree that the information submitted herein is correct to the best of my knowledge. If this application is approved, the resulting work will conform with the current Illinois Water Well Construction Code and Illinois Ground Water Protection Act. The application shall be valid for a period of 1 year from the date of issuance.

____________________________________   _____________________________________________
Signature of Contractor  Date Signed