

I would strongly suggest that wording be included, regarding Direct Exchange heat pumps, that an environmentally benign refrigerant such as R410A be required. Copper piping buried in the earth is subject to corrosion in certain soil pH conditions; in areas where there is any seismic activity, the piping could snap. In either case, if a toxic refrigerant were released into the aquifer, the consequences are disastrous. At this time, IGSHPA does not vet this kind of geothermal installation; only those that use a combination of water and environmentally benign antifreeze.

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