



RESIDENTIAL GEOTHERMAL SYSTEMS

ENVIRONMENTAL SERVICES DIVISION | WWW.IOWADNR.GOV

What the changes mean

The new General Permit 9 (GP9) will allow regulated geothermal systems a legal way to discharge during certain activities without getting an individual permit. GP9 will ensure these discharges happen in a way to reduce negative impacts on water quality.

When to follow GP9

Follow GP9 if you have an open-loop geothermal system that discharges into a waterbody. You must have a geothermal system that's sole use is providing heating and/or cooling for living quarters in four or fewer dwelling units.

Geothermal units in larger dwellings and businesses require individual NPDES permits.

How to use GP9

You do not have to submit anything to the DNR. These systems are automatically authorized and permit coverage is free.

There are no monitoring, reporting or record keeping requirements.

Additional resources

GP 9 Website: <http://www.iowadnr.gov/Environmental-Protection/Water-Quality/NPDES-Wastewater-Permitting/NPDES-General-Permits/GP9-Dewatering>

For more information

Iowa DNR Wastewater

Wendy Hieb, 515-725-8405, wendy.hieb@dnr.iowa.gov
