

NORTH DAKOTA DEPARTMENT OF HEALTH
PUBLIC NOTICE TO RENEW AN UNDERGROUND INJECTION CONTROL
PERMIT

December 28, 2017

PURPOSE OF PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO STATE THE DEPARTMENT'S INTENTION TO MODIFY A CLASS I UNDERGROUND INJECTION CONTROL PERMIT UNDER THE AUTHORITY OF ARTICLE 33-25 OF THE NORTH DAKOTA ADMINISTRATIVE CODE.

PERMIT INFORMATION

APPLICANT NAME:	Dakota Gasification Company
MAILING ADDRESS:	1600 E. Interstate Ave. Bismarck, ND 58501-0561
FACILITY LOCATION:	Great Plains Synfuels Plant Eight Miles Northwest of Beulah, ND
TELEPHONE NUMBER:	701-873-6787
APPLICATION NUMBER:	ND-UIC-101

The Dakota Gasification Company (DGC) has submitted an application to this Department to continue the subsurface injection of non-hazardous fluids that cannot be reused in the plant. Fluids which will be authorized for injection include: brine wastes from the secondary water treatment system; excess and concentrated blowdown from the low pressure steam system; reverse osmosis concentrate; blowdown from the anhydrous ammonia plant's clean water cooling tower; blowdown from the secondary (dirty) cooling tower in the anhydrous ammonia plant; distillate from the multiple effect evaporator; stormwater from the plant area and/or ash disposal facility, and condensate polisher regeneration waste. Major constituents of the injection stream are: sodium, calcium, chloride, sulfate, magnesium, potassium, ammonia, light organics (e.g., fatty acids), and trace metals. Monitoring is required to confirm that the injection stream remains nonhazardous.

This is an area permit for two Class I injection wells. One well is located in the southwest quarter of Section 24, and the other is located in the northwest quarter of Section 25, Township 145 N, Range 88 W. Both wells are located within the plant site. Injection is into the Minnelusa and Kibbey Formations at intervals

between 5,800 feet and 6,737 feet below ground surface. This zone is approximately 4,500 feet deeper than the closest underground source of drinking water, the Fox Hills-Basal Hell Creek aquifer.

ADDITIONAL INFORMATION

Additional information may be obtained upon request by calling (701) 328-5210 or by writing the North Dakota Department of Health, Division of Water Quality, 918 East Divide Avenue, Bismarck, ND 58501-1947. The permit application, draft permit, and related documents are available for review and reproduction at the Department.

PUBLIC COMMENTS

Public comments are invited any time prior to January 28, 2018. Comments may be directed to Karl Rockeman, Director, Division of Water Quality, 918 East Divide Avenue, Bismarck, ND 58501-1947. All comments received before January 28, 2018 will be considered prior to finalizing the permit renewal. If public comments are not received by the Department, the Department will issue final determinations within sixty (60) days of the date of this notice.

PUBLIC NOTICE NUMBER: ND-2017-038