



**UNDERGROUND INJECTION CONTROL PROGRAM
FACT SHEET AND STATEMENT OF BASIS
CLASS V INJECTION WELLS**
*WATER QUALITY DIVISION
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY*

UIC PERMIT NUMBER:	2022-0101v1.1
FACILITY ID NUMBER:	WYS-005-00684
LOCATION:	Latitude 43.992, Longitude -105.857
FACILITY NAME:	Triangle Unit Injection Facility
OWNER/OPERATOR:	Cowboy Clean Fuels, LLC.
Facility Contact:	Regulatory Contact:
Preston Anderson, COO Cowboy Clean Fuels, LLC. 5680 Greenwood Plaza Blvd., Suite 500 Englewood, CO 80111	Justin Scott, P.G. Geology Supervisor – UIC Class I and V Programs Groundwater Section Water Quality Division, Wyoming Department of Environmental Quality 200 West 17 th Street, 2 nd Floor Cheyenne, WY 82002 Justin.scott2@wyo.gov (307) 777-7511

I. Purpose of the Fact Sheet

The purpose of this fact sheet is to briefly describe the principal facts and considerations that went into preparing this Class V Permit (Permit) by the Underground Injection Control (UIC) Program of the Water Quality Division, Wyoming Department of Environmental Quality. To meet these objectives, this fact sheet contains a description of the permitting facility, a description of the injectate, information on the permitting process, and a statement of basis for setting permit conditions.

- a. **What is the purpose of the Underground Injection Control Program?** The UIC Program protects potential underground sources of drinking water by regulating the construction and operation of injection wells.
- b. **What authority does Wyoming have to implement UIC regulations?** Section 1422 of the Safe Drinking Water Act (SDWA) of 1974 allowed States to implement federal UIC regulations provided that States had regulations as stringent as the federal regulations. Wyoming’s UIC Program was approved by the United States Environmental Protection Agency and became effective July 15, 1983. Wyoming’s UIC statutes and regulations have been incorporated into the federal regulations by reference (Title 40 CFR 147.2550 Subpart ZZ).
- c. **What rules apply to obtaining a permit to construct and operate a Class V well in Wyoming?** Water Quality Rules, Chapters 8, 25, 26, and 27.

II. Brief Description of the Facility

- a. **History:** The Triangle Unit Injection Facility is located in Campbell County, Wyoming. The facility consists of 29 deep injection wells used to inject molasses feedstock into the Big George coal of the Fort Union Formation. On DATE, WDEQ received a permit modification application from Cowboy Clean Fuels, LLC. for Class V (5F2) non-hazardous injection wells.

III. Description of Injectate

- a. **What material will be injected underground at this facility?** The permittee is authorized to inject at a maximum rate of 117 gallons per minute (gpm) or 4,000 Barrels per day (bbl/d) into twenty-nine (29) injection wells. The injectate is described as sugar beet molasses mixed with Coalbed Methane (CBM) produced water to the desired dilution. The injectate will be injected at a depth of approximately 1,106 to 1,346 feet below ground surface through existing CBM wells. The permittee is prohibited from injecting any sump waste, equipment wash-down water, or any other wastewater derived from industrial processes into the system. Injection of any substance defined as waste, whether hazardous by listing or by characteristic is a violation of the permit.
- b. **What is the discharge zone?** The permittee is authorized to inject at a maximum rate of 117 gpm or 4,000 bbl/d into twenty-nine (29) injection wells. The perforated intervals of the twenty-nine (29) injection wells are summarized in Table 2 of the permit.
- c. **Which aquifers will receive the injectate?** Big George Coal of the Fort Union Formation. The groundwater in the Big George coal is classified as Class III by use according to Wyoming Water Quality Rules (WWQR), Chapter 8, Table I. This classification is made because the groundwater in this formation has Sodium Adsorption Ratios ranging from 13.4 to 14.6.
- d. **Will the injectate affect water wells in the area?** Based on review of the permit application, no water wells will be affected by injection of feedstock in the area. Furthermore, the injectate is composed of Big George coal water and food grade molasses by-products.
- e. **How will the injectate be monitored?** The permittee is responsible for monitoring quality of the injectate prior to the injection point. Additionally, the permittee is responsible for monitoring the injection volume, rates, and pressures at the well heads. This data will be reported to the WDEQ according to the schedules outlined in Part II Section I of the Permit.

IV. What is the permitting process for Class V wells?

- a. WDEQ reviews the application to ensure that Chapter 27 regulatory requirements are met.
- b. A draft permit is prepared and made available to the public for review and comment. The public comment period lasts for thirty days and is scheduled November 5, 2025, and ends December 5, 2025. Public notice of the draft permit is published in a local or statewide newspaper distributed to subscribers to the WDEQ email list and posted on the WDEQ website.
- c. A copy of the draft permit is provided to the applicant, EPA, and other federal, state, and local agencies. The list may also include those who request to be added in writing and any person identified from “local lists” as interested parties from proceedings in the area.
- d. WDEQ may hold a public hearing due to a legitimate request or at its own discretion.
- e. WDEQ responds to any comments and makes any appropriate changes to the draft permit.
- f. The final permit is issued.

V. Statement of Basis for Establishing Permit Conditions

Based on WDEQ/WQD’s review of the permit application and supplemental information submitted, construction and operation of the facility is determined to be in compliance with WWQR Chapters 8, 25, 26, and 27. The application and supplemental information used to support this determination is recorded in the Administrative Records Index.

VI. Summary of Conditions of the Permit

- a. General operation and maintenance including permitted wastes at the facility are included in Part II, Section D.
- b. Monitoring, recordkeeping, and reporting requirements are included in Part II, Sections I and J. A monitoring schedule is included in Table 4.
- c. Abandonment requirements of the facility are included in Part II, Section L.
- d. General permit conditions are included in Part I.
- e.