

WEST VIRGINIA
SECRETARY OF STATE
KEN HECHLER
ADMINISTRATIVE LAW DIVISION

Form #2

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OFFICE OF WEST VIRGINIA
SECRETARY OF STATE

NOTICE OF A COMMENT PERIOD ON A PROPOSED RULE

AGENCY: Division Environmental Protection
Office Water Resources TITLE NUMBER: 47

RULE TYPE: Interpretive; CITE AUTHORITY WV Code 22-11-10

AMENDMENT TO AN EXISTING RULE: YES NO

IF YES, SERIES NUMBER OF RULE BEING AMENDED: 9A

TITLE OF RULE BEING AMENDED: Class 5 Injection Well Type
Description Rule

IF NO, SERIES NUMBER OF NEW RULE BEING PROPOSED: _____

TITLE OF RULE BEING PROPOSED: _____

IN LIEU OF A PUBLIC HEARING, A COMMENT PERIOD HAS BEEN ESTABLISHED DURING WHICH ANY INTERESTED PERSON MAY SEND COMMENTS CONCERNING THESE PROPOSED RULES. THIS COMMENT PERIOD WILL END ON August 12, 1998 AT 5:00 p.m. ONLY WRITTEN COMMENTS WILL BE ACCEPTED AND ARE TO BE MAILED TO THE FOLLOWING ADDRESS.

Div. Environmental Protection
Office of Water Resources
Attn: Ellen Herndon
1201 Greenbrier Street
Charleston, WV 25311

THE ISSUES TO BE HEARD SHALL BE LIMITED TO THIS PROPOSED RULE.

Carrie J. Chambers

Authorized Signature

ATTACH A **BRIEF** SUMMARY OF YOUR PROPOSAL

\$3.20



BUREAU OF ENVIRONMENT
10 McJunkin Road
Nitro, WV 25143-2506

CECIL H. UNDERWOOD
GOVERNOR

MICHAEL P. MIANO
COMMISSIONER

July 13, 1998

Ms. Judy Cooper
Director
Administrative Law Division
Capitol Complex
Charleston, WV 25305

RE: 47CSR9A - Class 5 Injection Well Type Description Rule

Dear Ms. Cooper:

This is to advise that I am giving approval to file the above-referenced Interpretive Rule with your Office as notice of public comment period.

Your cooperation in this regard is very much appreciated. If you have any questions or require additional information, please feel free to contact Carrie Chambers in my Office at 759-0515.

Sincerely yours,


Michael P. Miano
Commissioner

MPM:cc

Attachment

cc: Carrie Chambers
Ellen Herndon, OWR

**BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION**

BRIEFING DOCUMENT

Rule Title: 47CSR9A - "Class 5 Injection Well Type Description Rule"

A. AUTHORITY: WV Code 22-11-10

B. SUMMARY OF RULE:

This interpretive rule is being amended to reflect technical changes. The revisions consist of changes to correct code citations, office name changes, title changes, punctuation, renumbering to conform to the Secretary of State's Legislative Rule 153CSR6, etc.

C. STATEMENT OF CIRCUMSTANCES WHICH REQUIRE RULE:

As noted above, the revisions are technical clean ups to update the rule.

D. FEDERAL COUNTERPART REGULATIONS - INCORPORATION BY REFERENCE/DETERMINATION OF STRINGENCY:

N/A

E. CONSTITUTIONAL TAKINGS DETERMINATION:

N/A

F. CONSULTATION WITH THE ENVIRONMENTAL PROTECTION ADVISORY COUNCIL:

N/A

APPENDIX B

FISCAL NOTE FOR PROPOSED RULES

Rule Title: 47CSR9A - Class 5 Injection Well Types Description Rule
Type of Rule: Legislative X Interpretive Procedural
Agency Division Environmental Protection - Office Water Resources
Address 1201 Greenbrier Street
Charleston, WV 25311

1. Effect of Proposed Rule

	ANNUAL FISCAL YEAR				
	INCREASE	DECREASE	CURRENT	NEXT	THEREAFTER
<u>ESTIMATED TOTAL COST</u>	\$ -0-	\$ -0-	\$ -0-	\$ -0-	\$ -0-
PERSONAL SERVICES					
CURRENT EXPENSE					
REPAIRS & ALTERNATIONS					
EQUIPMENT					
OTHER					

2. Explanation of above estimates:

Technical clean ups only - no substantitive changes.

3. Objectives of these rules:

To bring rule up to date.

Rule Title: 47CSR9A - Class 5 Injection Well Type Description Rule

4. Explanation of Overall Economic Impact of Proposed Rule.

A. Economic Impact on State Government.

N/A

B. Economic Impact on Political Subdivisions; Specific Industries; Specific groups of Citizens.

N/A

C. Economic Impact on Citizens/Public at Large.

N/A

Date: July 13, 1998

Signature of Agency Head or Authorized Representative

Carrie J. Chambers

FILED

TITLE 47
INTERPRETIVE RULE
BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER RESOURCES - WASTE MANAGEMENT

JUL 13 2 29 PM '98

DEPARTMENT OF WEST VIRGINIA
SECRETARY OF STATE

SERIES 9A
CLASS 5 INJECTION WELL TYPE DESCRIPTIONS RULE

§47-9A-1. General.

1.1. Scope. -- This is a new interpretive rule which provides Class 5 well type descriptions used in the Underground Injection Control Program. This rule is applicable to any person who owns or operates facilities or conducts activities subject to the provisions of WV Code ~~§20-5A-5~~. §22-11-8

1.2. Authority. -- WV Code ~~§20-5A-6A~~. 22-11-10

1.3. Filing Date. -- ~~August 12, 1993~~

1.4. Effective Date. -- ~~October 1, 1993~~

§47-9A-2. Well Code Definitions.

For the purpose of this rule the term well means the same as that defined in subsection 4.5 of ~~46-CSR-9~~. 47CSR13.

2.1. Drainage Wells (a.k.a. Dry Wells).

2.1.a. "5F1" (Agricultural Drainage Wells) -- receive irrigation tailwaters, other field drainage, animal yard, feedlot, or dairy runoff, etc.

2.1.b. "5D2" (Storm Water Drainage Wells) -- receive storm water runoff from paved areas, including parking lots, streets, residential subdivisions, building roofs, highways, etc.

2.1.c. "5D3" (Improved Sinkholes) -- receive storm water runoff from developments located in karst topographic areas.

2.1.d. "5D4" (Industrial Drainage Wells) -- wells located in industrial areas which primarily receive storm water runoff

but are susceptible to spills, leaks, or other chemical discharges.

2.1.e. "5G30" (Special Drainage Wells) -- used for disposing water from sources other than direct precipitation. Examples of this well type include: landslide control drainage wells, potable water tank overflow drainage wells, swimming pool drainage wells, and lake level control drainage wells.

2.2. Geothermal Reinjection Wells.

2.2.a. "5A5" (Electric Power Reinjection Wells) -- reinject geothermal fluids used to generate electric power - deep wells.

2.2.b. "5A6" (Direct Heat Reinjection Wells) -- reinject geothermal fluids used to provide heat for large buildings or developments - deep wells.

2.2.c. "5A7" (Heat Pump/Air Conditioning Return Flow Wells) -- reinject groundwater used to heat or cool a building in a heat pump system - shallow wells.

2.2.d. "5A8" (Groundwater Aquaculture Return Flow Wells) - - reinject groundwater or geothermal fluids used to support aquaculture. Non-geothermal aquaculture disposal wells are also included in this category (e.g. Marine aquariums in Hawaii use relatively cool sea water).

2.3. Domestic Wastewater Disposal Wells.

2.3.a. "5W9" (Untreated Sewage Waste Disposal Wells) -- receive raw sewage wastes from pumping trucks or other vehicles which collect such wastes from single or multiple sources. (No treatment)

2.3.b. "5W10" (Cesspools) -- including multiple dwelling, community, or regional cesspools, or other devices that receive wastes and which must have an open bottom and sometimes have perforated sides. Must serve greater than twenty (20) persons per day if receiving solely sanitary wastes. (Settling of solids)

2.3.c. "5W11" (Septic Systems [Undifferentiated ~~d~~Disposal Method]) -- used to inject the waste or effluent from a multiple dwelling, business establishment, community, or regional business establishment septic tank. Must serve greater than twenty (20) persons per day if receiving solely sanitary wastes. (Primary Treatment)

2.3.d. "5W31" (Septic Systems [Well Disposal Method]) -- examples of wells include actual wells, seepage pits, cavities, etc. The largest surface dimension is less than or equal to the depth dimension. Must serve greater than twenty (20) persons per day if receiving solely sanitary wastes. (Less treatment per square area than 5W32)

2.3.e. "5W32" (Septic Systems [Drainfield Disposal Method]) -- examples of drainfields include drain or tile lines, and trenches. Must serve more than twenty (20) persons per day if receiving solely sanitary wastes. (More treatment per square area than 5W31)

2.3.f. "5W12" (Domestic Wastewater Treatment Plant Effluent Disposal Wells) -- dispose of treated sewage or domestic effluent from small package plants up to large municipal treatment plants. (Secondary or further treatment)

2.4. Mineral and Fossil Fuel Recovery Related Wells.

2.4.a. "5X13" (Mining, Sand, or Other Backfill Wells) -- used to inject a mixture of fluid and sand, mill tailings, and other solids into mined out portions of subsurface mines whether what is injected is a radioactive waste or not. Also includes special wells used to control mine fires and acid mine drainage wells.

2.4.b. "5X14" (Solution Mining Wells) -- used for in-situ solution mining in conventional mines, such as stopes leaching.

2.4.c. "5X15" (In-situ Fossil Fuel Recovery Wells) -- used for in-situ recovery of coal, lignite, oil shale, and tar sands.

2.4.d. "5X16" (Spent-Brine Return Flow Wells) -- used to reinject spent brine into the same formation from which it was withdrawn after extraction of halogens or their salts.

2.5. Oil Field Production Waste Disposal Wells.

2.5.a. "5X17" (Air Scrubber Waste Disposal Wells) -- inject wastes from air scrubbers used to remove sulfur from crude oil which is burned in steam generation for thermal oil recovery projects. (If injection is used directly for enhanced recovery and not just disposal it is a Class 2 well.)

2.5.b. "5X18" (Water Softener Regeneration Brine Disposal Wells) -- inject regeneration wastes from water softeners which are used to improve the quality of brines used for enhanced recovery. (If injection is used directly for enhanced recovery and not just disposal it is a Class 2 well.)

2.6. Industrial/Commercial/Utility Disposal Wells.

2.6.a. "5A19" (Cooling Water Return Flow Wells) -- used to inject water which was used in a cooling process, both open and closed loop processes.

2.6.b. "5W20" (Industrial Process Water and Waste Disposal Wells) -- used to dispose of a wide variety of wastes and wastewaters from industrial, commercial, or utility processes. Industries include refineries, chemical plants, smelters, pharmaceutical plants, laundromats, and dry cleaners, tanneries, laboratories, ~~(e.g. petroleum storage facilities~~ (e.g. storage tank condensation water) ~~↑~~ electric power generation plants (mixed waste stream of laboratory drainage fireside water and boiler blowdown) ~~↑~~ car wash (mixed waste stream of detergent oil and grease and paved area washdown) ~~↑~~ electroplating industries (spent solvent wastes) ~~↑~~ etc. ~~↓~~

2.6.c. "5X28" (Automobile Service Station Disposal Wells) -- repair bay drains connected to a disposal well.

2.7. Recharge Wells.

2.7.a. "5R21" (Aquifer Recharge Wells) -- used to recharge depleted aquifers and may inject fluids from a variety of sources such as lakes, streams, domestic wastewater treatment plants, other aquifers, etc.

2.7.b. "5B22" (Saline Water Intrusion Barrier Wells) -- used to inject water into fresh water aquifers to prevent intrusion of salt water into fresh water aquifers.

2.7.c. "5S23" (Subsidence Control Wells) -- used to inject fluids into a non-oil or gas producing zone to reduce or eliminate subsidence associated with overdraft of fresh water and not used for the purpose of oil or natural gas production.

2.8. Miscellaneous Wells.

2.8.a. "5N24" (Radioactive Waste Disposal Wells) -- all radioactive waste disposal wells other than Class 4 wells.

2.8.b. "5X25" (Experimental Technology Wells) -- wells used in experimental or unproven technologies such as pilot scale in-situ solution mining wells in previously unmined areas.

2.8.c. "5X26" (Aquifer Remediation Related Wells) -- wells used to prevent, control or remediate aquifer pollution, including but not limited to Superfund sites.

2.8.d. "5X29" (Abandoned Drinking Water Wells) -- used for disposal of waste.

2.8.e. "5X27" (Other Wells) -- any other unspecified Class 5 wells. Well type/purpose and injected fluids must be specified.