**CHAPTER 74:02:04**

**WELL CONSTRUCTION STANDARDS**

Section

74:02:04:01 to 74:02:04:08 Transferred.

74:02:04:09 Repealed.

74:02:04:10 to 74:02:04:12 Transferred.

74:02:04:13 to 74:02:04:19 Repealed.

74:02:04:20 Definitions.

74:02:04:21 Permits required before construction of certain wells.

74:02:04:22 Requirements for all wells.

74:02:04:23 Intent of South Dakota well construction standards.

74:02:04:23.01 Construction of adequate well required.

74:02:04:24 Well locations.

74:02:04:25 Wells to be accessible.

74:02:04:26 Well construction prohibited along sections of Whitewood Creek and sections of Belle Fourche River -- Variance.

74:02:04:27 Upper well terminal -- Wells in pits prohibited.

74:02:04:28 Minimum grouting requirements for wells -- Exceptions.

74:02:04:29 and 74:02:04:30 Repealed.

74:02:04:31 Driven well casing to be sealed with bentonite.

74:02:04:32 Hard rock well construction.

74:02:04:33 Repealed.

74:02:04:34 Locations of aquifers and formations.

74:02:04:34.01 Wells producing water from more than one aquifer prohibited.

74:02:04:35 Alternative well construction requirements for certain Dakota aquifer wells.

74:02:04:36 Alternative well construction requirements for certain Inyan Kara wells.

74:02:04:37 Well driller to correct well defective within one year.

74:02:04:38 Driller's license required to install closed loop.

74:02:04:39 Vertical closed-loop installation.

74:02:04:40 Horizontal closed-loop installation.

74:02:04:41 Drill hole construction requirements.

74:02:04:41.01 Construction water requirements.

74:02:04:42 General requirements for well casing.

74:02:04:43 Thermoplastic casing requirements.

74:02:04:44 Thermoplastic casing installation requirements.

74:02:04:45 Solvent cementing procedures for thermoplastic connections.

74:02:04:46 Precast curbing and concrete casing use limitations.

74:02:04:47 Pitless unit or pitless adapter requirements.

74:02:04:48 Steel casing specifications.

74:02:04:49 Copper casing specifications.

74:02:04:50 Requirements for well screens and gravel packs.

74:02:04:51 Requirements for length and diameter of screens.

74:02:04:52 Requirements for centralizers.

74:02:04:52.01 Requirements for packers.

74:02:04:53 Cement grout requirements.

74:02:04:53.01 Bentonite grout requirements.

74:02:04:54 Repealed.

74:02:04:55 Minimum grout volumes.

74:02:04:56 Repealed.

74:02:04:57 Minimum hole size for grouting.

74:02:04:58 Requirements for development of wells.

74:02:04:58.01 Disinfection requirements.

74:02:04:59 Wells in road ditches to be protected.

74:02:04:60 Requirements for pump installations.

74:02:04:61 Requirements for well and pump capacities.

74:02:04:62 Backflow prevention required for large capacity wells.

74:02:04:63 Water analysis required.

74:02:04:64 Chief engineer to furnish forms for required records.

74:02:04:65 Well drillers to prepare and file well construction records.

74:02:04:66 Well drillers to prepare and file well rehabilitation record.

74:02:04:67 Requirements for plugging wells or test holes completed into confined aquifers or encountering more than one aquifer.

74:02:04:68 Repealed.

74:02:04:69 Requirements for plugging wells or test holes completed into unconfined aquifers with only one aquifer encountered.

74:02:04:70 Requirements for plugging other test holes.

74:02:04:70.01 Requirements for temporary abandonment of wells.

74:02:04:71 Well driller to prepare and file well and test hole plugging records.

74:02:04:72 Pressure regulator valve required on flowing wells.

74:02:04:73 Well driller's responsibilities.

74:02:04:74 Well owner's responsibilities.

74:02:04:75 Variance.

74:02:04:76 Flowing well construction.

Appendix A Aquifer and formation descriptions and drilling characteristics.

Appendix B Generalized stratigraphic correlation chart.

Appendix C Map of South Dakota showing major structural features.

Appendix D Minimum grouting requirements for wells.

Appendix E Hard rock well construction.

Appendix F Alternative well construction for certain dakota aquifer wells.

Appendix G Alternative well construction for certain Inyan Kara wells and precast curbing and casing use limitations.

Appendix H Recommended procedure for chlorine disinfection of water wells.