

USEPA Region 2 List of Injection Well Classes & Types

<https://www.epa.gov/uic/underground-injection-control-well-classes>

Class I - Industrial and Municipal Waste Disposal Wells

<https://www.epa.gov/uic/class-i-industrial-and-municipal-waste-disposal-wells>

Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
1C	CO2 Sequestration	The large majority of CO2 Sequestration wells will be Class VI, but if the state or DI region has assigned another class, it should be reported as such.	
1H	Hazardous Industrial		
1I	Non-Hazardous Industrial		
1M	Municipal		
1R	Radioactive Waste Disposal		
1W	Drinking Water Treatment Residual	Depending on the well class assigned by the state or Direct Implementation (DI) Region, Drinking Water Treatment Residuals could be Class 1W, 2W, or 5A23.	
1X	Other		

Class II - Oil and Gas Related Injection Wells

<https://www.epa.gov/uic/class-ii-oil-and-gas-related-injection-wells>

Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
2A	Annular Disposal		
2C	CO2 Sequestration	The large majority of CO2 Sequestration wells will be Class VI, but if the state or DI region has assigned another class, it should be reported as such.	
2D	Produced Fluid Disposal		
2F	Hydraulic Fracturing with Diesel Fuel		
2H	Hydrocarbon Storage		
2M	Coal Bed Methane Hydro-fracturing wells		
2R	Enhanced Recovery		
2W	Drinking Water Treatment Residual	Depending on the well class assigned by the state or DI Region, Drinking Water Treatment Residuals could be Class 1W, 2W, or 5A23.	
2X	Other		

SOURCE: Prepared by USEPA Region 2 August 17, 2020.

Adapted from: https://www.epa.gov/uic/resources-transition-new-uic-data-reporting-process-uic_well_specific_inventory_template_508_corrected.zip

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<https://www.epa.gov/uic/underground-injection-control-well-classes>

Class III - Solution Mining Wells

<https://www.epa.gov/uic/class-iii-injection-wells-solution-mining>

Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
3A	Salt Solution Mining		
3C	Copper Mining		
3G	In Situ Gasification		
3N	Nacholite Mining		
3S	Sulfur Mining		
3U	Uranium Mining		
3X	Other Minerals		

Class IV - Shallow Hazardous and Radioactive Waste Injection Wells

<https://www.epa.gov/uic/class-iv-shallow-hazardous-and-radioactive-injection-wells>

Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
4A	Authorized as part of RCRA or CERCLA cleanup		
4P	Prohibited activity		

Class VI - Geologic Sequestration Wells

<https://www.epa.gov/uic/class-vi-wells-used-geologic-sequestration-co2>

Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
6A	CO2 Sequestration-- subtype 1		
6B	CO2 Sequestration-- subtype 2		

USEPA Region 2 List of Injection Well Classes & Types, cont'd.

<https://www.epa.gov/uic/underground-injection-control-well-classes>

Class V - Wells that inject non-hazardous fluids into or above underground sources of drinking water

<https://www.epa.gov/uic/class-v-wells-injection-non-hazardous-fluids-or-above-underground-sources-drinking-water>

Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
INDUSTRIAL WELLS - Wells, or cesspools and septic systems, used to inject fluids from industrial sources			
5A1	Industry- Carwashes	Carwashes	
5A2	Industry- Carwashes where no engine or undercarriage washing is performed	Carwashes where no engine or undercarriage washing is performed	
5A3	Industry- Appliance service and repair facilities	Appliance service and repair facilities	
5A4	Industry- Beauty Shops / Barber Shops	Beauty Shops / Barber Shop	
5A5	Industry-Nail salons	Nail salons	
5A6	Industry-Dry cleaners	Dry cleaners	
5A7	Industry-Laundromats where no on-site dry cleaning is performed	Laundromats where no on-site dry cleaning is performed	
5A8	Industry-Funeral services	Funeral services	
5A9	Industry-Wood / Furniture finishing	Wood / Furniture finishing facilities	
5A10	Industry-Machine and welding shops	Machine and welding shops	
5A11	Industry-Medical service facilities	Medical service facilities	
5A12	Industry-Pesticide application service facilities	Pesticide application service facilities	
5A13	Industry-Photographic processing facilities	Photographic processing facilities	
5A14	Industry-Printing facilities	Printing facilities	
5A15	Industry-Veterinary, kennel and pet grooming service facilities	Veterinary, kennel and pet grooming service facilities	
5A16	Industry-Metal plating / fabrication facilities	Metal plating / fabrication facilities	
5A17	Industry-Equipment manufacturing / repair plants	Equipment manufacturing / repair plants	

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Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
INDUSTRIAL WELLS - Wells, or cesspools and septic systems, used to inject fluids from industrial sources (cont'd)			
5A18	Industry-Cooling water with no additives	Cooling water with no additives	
5A19	Industry-Cooling water with additives	Cooling water with additives	
5A20	Industry-Food processing operations	Food processing operations	
5A21	Industry-Small engine repair shops	Small engine repair shops	
5A23	Drinking Water Treatment Residual	Depending on the well class assigned by the state or DI Region, Drinking Water Treatment Residuals could be Class 1W, 2W, or 5A23.	
5A24	Industry- Other	Any other wells used to inject non-hazardous wastewaters generated by industrial, commercial, and service establishments and that are not included in one of the above categories.	
5A25	Air Scrubber Waste Disposal Wells		
5A26	Water Softener Regeneration Brine Disposal Wells		
MOTOR VEHICLE WASTE DISPOSAL WELLS			
5J	Waste Discharge Well		
5K	Motor Vehicle Waste Disposal	Wells used to inject fluids from motor vehicle repair or maintenance activities, such as an auto body repair shop, automotive repair shop, car dealership, specialty repair shop (e.g., transmission and muffler repair shop), or any facility that does any vehicular repair work.	5X28 (Automobile Service Station Disposal).
BENEFICIAL USE WELLS			
5B1	Beneficial Use- Aquifer recharge	Aquifer recharge	5R21 (Aquifer Recharge)
5B2	Beneficial Use- Salt water intrusion barrier	Salt water intrusion barrier	5B22 (Saline Water Intrusion Barrier).
5B3	Beneficial Use- Subsidence control	Subsidence control	5S23 (Subsidence Control)
5B4	Beneficial Use- Aquifer storage and recovery	Aquifer storage and recovery	Not addressed as separate category
5B6	Beneficial Use- Subsurface environmental remediation	Subsurface environmental remediation	5X26 (Aquifer Remediation Related)

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Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
FLUID RETURN WELLS			
5C1	Fluid Return- Spent-brine Return Flow	Wells used to inject spent brines after the extraction of minerals from produced fluids	5X16 (Spent-brine Return Flow).
5C2	Fluid Return- Heat Pump/Air Conditioning Return Flow	Wells used to inject heat pump return fluids	5A7 (Heat Pump/Air Conditioning Return Flow)
5C3	Fluid Return- Direct Heat Return		5A6 (Direct Heat Return)
5C4	Fluid Return- Electric Power Return	Wells used to inject fluids that have undergone chemical alteration during the production of geothermal energy for heating, aquaculture, or production of electric power.	5A5 (Electric Power Return)
5C5	Fluid Return- Ground Water Aquaculture Return Flow	Wells used to inject fluids that have undergone chemical alteration during the production of geothermal energy for heating, aquaculture, or production of electric power.	5A8 (Ground Water Aquaculture Return Flow)
DOMESTIC WASTEWATER DISPOSAL WELLS			
5D	Sewage Treatment Effluent	Wells used to inject treated effluent from POTWs, or privately owned treatment works receiving solely sanitary waste.	5W12 (Domestic Wastewater Treatment Plant Effluent Disposal)
5E	Cesspools	Cesspools having the capacity to serve 20 persons or more per day and used solely for the subsurface emplacement of sanitary waste.	5W9 (Untreated Sewage Waste Disposal), 5W10 (Cesspools)
5F	Septic Systems	Septic tank with subsurface fluid distribution system and/or dry wells having the capacity to serve 20 persons or more per day and used solely for the subsurface emplacement of sanitary waste.	5W11 (Septic Systems - Undifferentiated Disposal), 5W32 (Septic Systems - Drainfield Disposal) 5W31 (Septic Systems - Well Disposal).

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Well Type Code	Category of Well	Description of Category	Corresponding Injection Well Type in 1987 Report to Congress
EXPERIMENTAL TECHNOLOGY WELLS			
5G1	Experimental Technology- Other		5X25 (Other Experimental Technology)
5G2	CO2 Sequestration	The large majority of CO2 Sequestration wells will be Class VI, but if the state or DI region has assigned another class, it should be reported as such.	* CO2 Sequestration
DRAINAGE WELLS			
5H1	Storm-water Drainage	Wells used to drain surface and subsurface fluids, including stormwater runoff and agricultural drainage that may have the potential to receive insignificant amounts of waste due to small volume leaks, drips, or spills.	5D2 (Stormwater Drainage)
5H2	Agricultural Drainage	Wells used to drain surface and subsurface fluids, including stormwater runoff and agricultural drainage that may have the potential to receive insignificant amounts of waste due to small volume leaks, drips, or spills.	5F1 (Agricultural Drainage)
5H3	Drainage- Other	Wells used to drain surface and subsurface fluids, including stormwater runoff and agricultural drainage that may have the potential to receive insignificant amounts of waste due to small volume leaks, drips, or spills.	Other
IN SITU SOLUTION MINING WELLS			
5L1	Solution Mining	Wells used to inject fluids for the purpose of producing minerals or energy, which are not Class II or III wells.	5X14 (Solution Mining)
5L2	In situ Fossil Fuel Recovery	Wells used to inject fluids for the purpose of producing minerals or energy, which are not Class II or III wells. Deep-wells injection: 5L2	5X15 (In situ Fossil Fuel Recovery)
MISCELLANEOUS WELLS			
5I	Mine Backfill and Drainage	Wells used to inject materials into mined out portions of subsurface mines, whether what is injected is a radioactive waste or not, including: (1) slurries of sand, gravel, cement, mill tailings/refuse, fly ash, or other solids, and (2) mine drainage.	5X13 (Mining, Sand, or Other Backfill).
5X	Other Class V Well		