



# CLEAN WATER ACTION

PENNSYLVANIA

## Environmental Violations at Marcellus Shale Drilling Sites Jan. 1, 2010 – Dec. 31, 2010

Marcellus Shale Wells Drilled (2010): 1,454  
 Marcellus Shale Violations (2010): 1,227  
 Marcellus Shale Violations (2009): 656  
 Marcellus Shale Violations (2008): 206  
 % of Wells with Violations in 2010: 18%  
 Total # of Marcellus Shale Wells Drilled (2005-10): 2,498  
 Total # of Violations at Marcellus Shale sites (2008-10): 2,089

### Violations by Type:

Violation Type	Number
Administrative	176
General Violations (Clean Streams Law, Oil and Gas Act, permit conditions)	262
Frac Pit and storage violations (leaks, improper construction, etc.)	303
Spill & illegal disposal & discharge of industrial waste (frac fluid, wastewater, etc.)	209
Stormwater runoff violations (includes erosion and sedimentation)	119
Improper cementing/casing of wells	84
Hazardous well venting	4
Other	70

source: PA Department of Environmental Protection (DEP)

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