The Clean Air Status and Trends Network (CASTNET) is a long-term monitoring network supported by the Environmental Protection Agency (EPA), National Park Service (NPS), and Bureau of Land Management (BLM) Wyoming State Office. Although developed to assess regional trends in sulfur and nitrogen pollutant concentrations and deposition, nearly all CASTNET sites also measure ambient ozone concentrations to assess compliance with the NAAQS and evaluate trends in air quality as a result of NOx emission reduction programs.

In early 2011, EPA completed the upgrade of CASTNET ozone (O₃) measurements and enhanced the quality assurance procedures at EPA-sponsored sites to make them compliant with Title 40 of the CFR Part 58 requirements and the EPA guidance outlined in the QA Handbook. Ozone data from EPA-sponsored sites commenced routine submittal to the EPA Air Quality System (AQS).

Annual CASTNET performance evaluations (PE) and results from the National Performance Audit Program (NPAP) are also submitted to AQS routinely. NPS-sponsored CASTNET sites have been considered regulatory compliant for ozone since their inclusion in the network. Two of the BLM CASTNET sites are also operated per regulatory requirements resulting in 80 CASTNET ozone sites as of August 2014, 78 of which are considered regulatory.

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