

## Chapter 5 - Appendix A

### Environmental Regulation Status Summary

Regulatory Driver	Summary Requirements	Regulation Status	Compliance Timing
Clean Air Act Regulation of Greenhouse Gases (GHG)	Inclusion of GHG in permitting; Projects can trigger BACT for GHG	Supreme Court ruling in June 2014 limits how "Tailoring Rule" applies.	Tailoring rule applies 1/2/2011
	Output-based emission limit for new, modified, reconstructed units	New unit NSPS re-proposed Jan 2014; final rule Jan 2015	New unit NSPS applies 1/8/2014
		Proposed rule for modified/reconstructed NSPS June 2014; final 2015	Modified/reconstructed applies 6/18/2014
	State emission limits for existing sources	Proposed NSPS for existing units June 2014; final 2015; state rules 2016 - 2018	Existing source interim rates 2020-2029; final rates 2030+
Cross-State Air Pollution Rule (CSAPR)	Reduction in NOx and SO2 allowances vs. CAIR; New allowances for trading program (state level caps)	In April 2014, Supreme Court reversed District Court Decision made in Aug 2012 to vacate rule; the District Court will make a decision on how and when to proceed; CAIR remains in place until CSAPR resolved	2015-2017
Revisions to National Ambient Air Quality Standards (NAAQS)	Lower PM, NOx and SO2 limits; Expansion of non-attainment areas	SO2 final rule June, 2010; Initial attainment designations final Oct 2013; Nonattainment plans due April 2015; final rule for other areas 2015.	SO2 - 2017-2020
		Fine particulate (PM2.5) lowered 1/15/2013; Attainment designations 03/2015; Nonattainment plans 2018.	PM 2.5 2020 - 2025
		Ozone proposal to lower 12/2014; Final 12/2015; Attainment designations 2017; Nonattainment plans 2020+	Ozone 2020+
Clean Air Visibility Rule (CAVR)	Application of Best Available Retrofit Technology (BART); Targets reduction in transported SO2 and NOx; Satisfied by CAIR in Missouri; status of CSAPR may require state to change approach.	Final rule issued by EPA in 1999; States submit progress reports in 2013 CSAPR resolution may require changes to state rule.	2018
Mercury and Air Toxics Standards (MATS)	Reduction in emissions of Mercury, HCl (proxy for acid gases) and particulate emissions (proxy for non-mercury metals)	Final rule released by EPA December 21, 2011; published in Federal Register February 16, 2012; effective April 16, 2012.	April 16, 2015 (with possible one-year extension that can be approved by the state); MDNR approved 1-yr extensions for Labadie and Meramec.
Clean Water Act Section 316(a) - Thermal Standards	Potential revisions to existing thermal limitations on once-through cooling systems; Implementation through NPDES permit conditions	Evaluation triggered by NPDES permit renewals	2014-2017
Clean Water Act Section 316(b) - Protection of Aquatic Life	Case-by-case determination of controls required to meet entrainment standards; national standard for impingement	Final rule from EPA effective October 2014	Study plans 2014 Studies 2015 - 2017 Compliance 2022 - 2024
Coal Combustion Residuals (CCR)	Conversion to dry bottom ash and fly ash; Closure of existing ash ponds; Dry disposal in landfill	Final determination from EPA on haz/non-haz Dec 2014; final rule late 2014/early 2015	2020 -2022
Revisions to Steam Electric Effluent Guideline Limitations (EGL)	Lower effluent emissions for existing parameters; Installation of wastewater treatment facilities; Implemented through NPDES permit conditions	EPA proposal April 19, 2013; final rule Sept 30, 2015; linked to CCR rule	2020 -2022