

**PROPOSED REGULATION OF THE  
STATE ENVIRONMENTAL COMMISSION**

**LCB File No. R148-09**

November 3, 2009

EXPLANATION – Matter in *italics* is new; matter in brackets ~~[omitted material]~~ is material to be omitted.

AUTHORITY: §1, NRS 445B.210.

A REGULATION relating to air quality; revising limits on the emission of sulfur dioxide from certain power-generating units of the Reid Gardner Generating Station; and providing other matters properly relating thereto.

**Section 1.** Section 4 of LCB File No. R190-08 is hereby amended to read as follows:

Sec. 4. 1. The sources listed below must install, operate and maintain the following control measures which constitute BART and must not emit or cause to be emitted NO<sub>x</sub>, SO<sub>2</sub>, or PM<sub>10</sub> in excess of the following limits:

(a) For power-generating units numbers 1 and 2 of NV Energy's Fort Churchill Generating Station, located in hydrographic area 108:

UNIT (Boiler)	NO <sub>x</sub>		SO <sub>2</sub>		PM <sub>10</sub>	
	Emission Limit (lb/10 <sup>6</sup> Btu, 12-month rolling average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 24-hr average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 3-hr average)	Control Type
1	0.20	Low NO <sub>x</sub>	0.05	Pipeline	0.03	Pipeline natural gas and/or No. 2 fuel oil
2	0.16	burners with flue gas recirculation	0.05	natural gas and/or No. 2 fuel oil	0.03	

(b) For power-generating units numbers 1, 2 and 3 of NV Energy's Tracy Generating Station, located in hydrographic area 83:

UNIT (Boiler)	NO <sub>x</sub>		SO <sub>2</sub>		PM <sub>10</sub>	
	Emission Limit (lb/10 <sup>6</sup> Btu, 12-month rolling average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 24-hr average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 3-hr average)	Control Type
1	0.15	Low NO <sub>x</sub>	0.05	Pipeline natural gas and/or No. 2 fuel oil	0.03	Pipeline natural gas and/or No. 2 fuel oil
2	0.12	burners with flue gas recirculation	0.05		0.03	
3	0.19	Low NO <sub>x</sub> burners with selective noncatalytic reduction	0.05		0.03	

(c) For power-generating units numbers 1, 2 and 3 of NV Energy's Reid Gardner Generating Station, located in hydrographic area 218:

UNIT (Boiler)	NO <sub>x</sub>		SO <sub>2</sub>		PM <sub>10</sub>	
	Emission Limit (lb/10 <sup>6</sup> Btu, 12-month rolling average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 24-hr average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 3-hr average)	Control Type
1	0.20	Rotating	<del>{0.25}</del> 0.15	Wet soda ash flue gas desulphurization	0.015	Fabric filter
2	0.20	Opposed Fire	<del>{0.25}</del> 0.15		0.015	
3	0.28	Air with Rotamix <sup>1</sup>	<del>{0.25}</del> 0.15		0.015	

(d) For power-generating units numbers 1 and 2 of Southern California Edison's Mohave Generating Station, located in hydrographic area 213:

---

<sup>1</sup> Rotamix is a technology for adding selective noncatalytic reduction using ammonia or urea-based reagent.

UNIT (Boiler)	NO <sub>x</sub>			SO <sub>2</sub>		PM <sub>10</sub>	
	Emission Limit (lb/10 <sup>6</sup> Btu, 12-month rolling average)	Mass Emission Rate (lb/hr, 1-hr average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 30-day rolling average)	Control Type	Emission Limit (lb/10 <sup>6</sup> Btu, 3-hr average)	Control Type
1	0.15	788	Low NO <sub>x</sub> burners with over-fire air and conversion to pipeline natural gas only	0.0019	Conversion to pipeline natural gas only	0.0077	Conversion to pipeline natural gas only
2	0.15	788		0.0019		0.0077	

2. The control measures established in subsection 1 may be replaced or supplemented with alternative technologies approved in advance by the Director, provided that the emission limits in subsection 1 are met. The established or approved control measures must be installed and operating:

(a) For NV Energy's Fort Churchill, Tracy and Reid Gardner generating stations:

(1) On or before January 1, 2015; or

(2) Not later than 5 years after approval of Nevada's state implementation plan for regional haze by the United States Environmental Protection Agency Region 9,

↳ whichever occurs first.

(b) For Southern California Edison's Mohave Generating Station, at the time that each unit resumes operation.

3. If the ownership of any BART regulated emission unit changes, the new owner must comply with the requirements set forth in subsection 2.

4. For purposes of this section, emissions of  $PM_{10}$  include the components of  $PM_{2.5}$  as a subset.