



Major Substantive Requirement Comparison for Owners/Operators Statewide RICE Regulation No. 7 v. NSPS Quad J

Substantive	Statewide RICE	NSPS Quad J
Requirement	(5 CCR 1001-9)	(40 CFR Part 60)
Requirement Applicability Provision? Limited relocated Control in a BACT Exclude control in a BACT Exclude operatin or operatechnology of combined reduction Division Requirement Yes Limited relocated Exclude control in a BACT Exclude operatin or operatechnology of combined reduction Division Requirement		





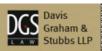
Substantive Requirement	Statewide RICE (5 CCR 1001-9)	NSPS Quad J (40 CFR Part 60)
General Operations Standard?	Yes All required air pollution control equipment shall be operated and maintained pursuant to manufacturer specification or equivalent to the extent practicable, and consistent with technological limitations and good engineering and maintenance practices	Yes Based on the size of the ICE, the owner or operator must, to extent practicable, maintain and operate the ICE in a manner consistent with good air pollution control practice for minimizing emissions
Emission Standards?	 Yes No emission standards for RICE < 100 HP Emission standards ranging between 2 NOx, 4 CO, and 1 VOC (in g/hp-hr) and 1 NOx, 2 CO, and 0.7 VOC (in g/hp-hr) for RICE > 100 HP Covers those RICE that are relocated irrespective of modification or reconstruction after a certain date 	 Yes Emission standards for all sizes of ICE Emission standards ranging between 3 NOx, 4 CO, and 1 VOC (in g/hp-hr) and 1 NOx, 2 CO, and 0.7 VOC (in g/hp-hr) for ICE > 25 HP that are non-emergency, with other standards for RICE ≤ 25 HP and limited emergency RICE with > 25 HP Covers only those ICE that are manufactured or modified or reconstructed after a certain date
Emission Equipment Installation Requirements?	 Yes Installation and operation of oxidation catalyst by July 1, 2010 for lean burn RICE with a manufacturer's name plate design rate > 500 HP Installation and operation of a non-selective catalyst reduction and an air fuel controller by July 1, 2010 for rich burn RICE with a manufacturer's name plate design rate > 500 HP 	There is an expectation that AFR ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction, which must be maintained and operated appropriately to ensure proper operation to minimize emissions





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Importation or Installation Deadline?	 Yes After July 1, 2010, an owner or operator may not construct or relocate a RICE > 500 HP to Colorado without installing and operating specifically identified control technology For RICE > 500 HP constructed or modified before February 1, 2009, an owner or operator must install and operate specific control technology as of July 1, 2010 UNLESS it submits an application by August 1, 2009 that demonstrates the Off-ramp requirements are met 	Yes Starting July 1, 2009, installation of ICE that do not meet the emission standard requirements will be curtailed with a moratorium after January 1, 2011
Monitoring Requirements?	Not specifically addressed in the promulgated language found at XVII	Yes Starting July 1, 2008, install non-resettable hour meters on emergency ICE if manufactured without meeting emission standards for non-emergency ICE with installation on all such engines by January 1, 2011
Records Requirements?	Not specifically addressed in the promulgated language found at XVII	 Yes Depending on ICE size/type, owners or operators of ICE must keep some to all: (1) notifications submitted to comply and associated supporting documentation; (2) maintenance information related to the ICE; (3) if certified, documentation from the manufacturer that the engine meets emission standards; (4) if not certified or certified but operated as non-certified, documentation of compliance with emission standards; and (5) hours of operation via the non-resettable meter, separating emergency hours from non-emergency hours





Substantive Requirement	Statewide RICE (5 CCR 1001-9)	NSPS Quad J (40 CFR Part 60)
Compliance Demonstration Requirements?	Not specifically addressed in the promul language found at XVII	Yes
Notification Requirements?	Not specifically addressed in the promul language found at XVII	yes For non-certified ≥ 500 HP ICE, submit initial notification within 30 days of construction commencement date (date of engine order) that includes: (1) name and address of the owner or operator; (2) address of the affected source; (3) engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement; (4) emission control equipment; and (5) fuel used