Matrix for Revisions DOO, G04, and E03 (Nonattainment NSR)

State Revision E03 effective date is 09/01/06, Revision G04 effective date is 12/01/04, Revision DOO effective date is 05/01/02

Table 1. No Citation Numbering Changes Throughout Revisions to Article 9

Current	New Citation	Citation from	Citation from	Title	Differences
SIP Citation	E03 09/01/06	G04 (OTR) 12/01/04	DOO 05/01/02		
5-80-2000	5-80-2000	5-80-2000	5-80-2000	Applicability	2000 A. Revision DOO made revisions to clarify meaning and added minor additional text. Revision G04 has the same text as DOO and was approved in last SIP Revision approval. Revision E03 has some rewording which again is used for further clarification. 2000 B. Revision DOO added the words "designated in 9 VAC 5-20-204. Revision G04 added the Ozone Transport Region and Revision E03 follows with both additions still in the rule. 2000 C. This Section was added to the rules with Revision G04Revision E03 further adds more clarification subjecting sources in the OTR to offset requirements depending on the classification. 2000 D. No changes in any of the Revision packagesthis is the former Section C in Revision DOO.
1					2000 E. Revision DOO made claimying change

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					which was kept in the Revision G04however, Revision E03 deletes paragraph E.
					In new paragraph E.1 formally Section F. Revision E03 keeps minor word text changes made in DOO and kept in Revision G04 but E03 deletes words, "reconstruction or modification". In E.2 Revision DOO added words "or pollutants" to "any emission units or pollutants" – Revision G04 kept changes and E03 keeps changes. Section E.3 remains the same.
					2000 F. Revision DOO added this Section. Revision G04 keeps this but Revision E03 deletes Section.
					New Section F (previously G) was added by Revision E03. When this article is amended, the previous provisions shall remain in effect for all applications that are deemed complete by 9/1/06.
					2000 G. Revision E03 added this Section. Regardless of exemptions provided, no owner shall circumvent the requirements of this article
					2000 H. Revision E03 added this section. The requirements of this article will be applied in accordance with principles:

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					 Major mod – significant emissions increase and significant net emissions increase. procedure for calculating whether a significant emissions increase occurs actual to projected actual applicability test actual to potential test for projects the hybrid test for projects that involve multiple types of emissions units. Revision E03 added this Section. For any major stationary source for a PAL the source shall comply with 9 VAC 5-80-2144 Revision E03 added this Section. Provisions of 40 CFR Part 60, 61 and 63 cited in this article apply only to the extent that they are incorporated by reference. Revision E03 added this Section. The provisions of 40 CFR part 51 and 58 cited in this article apply only to the extent they are incorporated by reference.
5-80-2010	5-80-2010	5-80-2010	5-80-2010	Definitions	2010 A. No changes in any of the revision packages wording/text 2010 B. No changes in any of the revision packages wording/text

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					2010 C. <u>Terms defined.</u>
					Clean Unit - this was added and deleted by Revision E03 Fixed capital cost - is in SIP approved version and was also in Revision G04 and DOO Major new source review - this was added by Revision DOO, approved in GO4 revision but deleted with Revision E03however E03 offers new definition. Minor new source review - this was added by Revision DOO, approved in GO4 revision but deleted with Revision E03however E03 offers new definition. New source review program - this was added by Revision DOO, approved in GO4 revision but deleted with Revision E03however E03 offers a new definition in its entirety. See New Definitions, below Pollution Control Project - PCP - this was added and deleted by Revision E03 Pollution Prevention - this was added and deleted by Revision E03 Qualifying Pollutant - is in SIP approved version and was also in Revision G04 and DOO Reconstruction - is in SIP approved version and was also in Revision G04 and DOO

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					Modified Definitions Actual emissions – There are minor word changes with this E03 revision "which" to "that" "shall" to "will" "2 year" to "consecutive 24 months". Actual emissions definition also was updated to include PALs provisions. Allowable emissions - added provision for Actuals PALs – allowable emissions shall also be calculated considering any emission limitations that are enforceable as a practical matter on the emissions unit's potential to emit. Applicable federal requirement - Added by Revision DOO and approved with Revision G04minor change was made with E03"added text "but not limited to". Construction – definition is in SIP approved versionRevision E03 makes minor word change – "which" to "that" Emissions Unit – definition is in SIP approved versionrevision E03 updates wording and includes an electric steam generating unit. Also there are two types of emission units – a new emissions unit and an existing emissions unit. Federally enforceable - updated by Revision DOO and approved with Revision G04E03 updated wording further and adds more clarifying text and conditions.

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					Major Modification – definition is in SIP approved versionrevision DOO and E03 updates with minor wording text changes and new additional text describing up to date version of the definition. (alternative fuels and raw materials, clean coal technology demonstration project, and PAL requirements) Major stationary source - definition is in SIP approved versionrevision DOO and E03 updates with minor wording text changes "any nonattainment pollutant" to "a regulated NSR pollutant" Necessary preconstruction approvals or permits - definition is in SIP approved versionrevision DOO and E03 updates with minor wording text changes Net emissions increase - definition is in SIP approved versionrevision E03 updates with minor wording text changes for clarification Potential to emit - Revision E03 adds additional condition for actuals PALs. Reasonable further progress – Revision DOO deleted the word "state" in front of implementation planRevision G04 approved this deletionRevision E03 made no changes to the text. Regulated NSR pollutant - Added by Revision
					DOO and approved with Revision G04 as

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					"Regulated Air pollutant" Title is changed with revision E03. Revision E03 also has text changes which were made for clarification. Stationary source – Minor text clarification with Revision E03changing wording from "any air pollutant subject to regulation under the Clean Air Act" to "a regulated NSR pollutant" New Definitions Actuals PAL for a major stationary source – definition to describe that the baseline actual emissions of all emissions units at the source, that emit or have the potential to emit the PAL pollutant. Baseline actual emissions – Revision E03 added definition for the rate of emissions, in tons per year, of a regulated NSR pollutant, as determined in accordance with following text which follows in (a) through (d). Best available control technology - Revision E03 added – includes lengthy definition regarding emissions limitations based on the maximum degree of reduction for each regulated NSR pollutant. Clean coal technology - Revision E03 added – discusses definition of technologies applied at the pre-combustion, combustion and post-combustion
					stage for coal utilization

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					Clean coal technology demonstration project - Revision E03 added definition of a project using funds appropriated under the heading Dept. of Energy – Clean Coal Technology. Complete application - Added by Revision DOO and approved with Revision G04no changes are made with E03. Continuous emissions monitoring system – Revision E03 added definition of all equipment that may be required to meet data acquisition and availability requirements of this section. Continuous emissions rate monitoring systems - Revision E03 added definition describing total equipment required for the determination and recording of the pollutant mass emissions rate (in terms of mass per unit of time) Continuous parameter monitoring systems - Revision E03 added definition of all the equipment necessary to meet the data acquisition and availability requirements of this section Electric utility steam generating unit - Revision E03 added definition describing the definition of steam generating unit Emissions cap – Added by Revision DOO and approved with Revision G04no changes are made with E03. Enforceable as a practical matter - Added by Revision DOO and approved with Revision

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
Citation	09/01/06	` ,	05/01/02		G04no changes are made with E03. Federal land manager - Revision E03 added definition describing the lands of the U.S., the secretary of the department with authority over such lands. Federal operating permit - Revision E03 added definition describing the definition of a federal operating permit Federal operating permit program - Revision E03 added definition describing the program for issuing terms and conditions for major stationary sources. Major emissions unit - Revision E03 added definition describing the definition of any emissions unit that emits or has the potential to emit 100 tons per year or more of the PAL pollutant in an attainment area or greater than the major source threshold for nonattainment areas. Major new source review (NSR) permit-Revision E03 added definition describing the definition of the permit Major new source review (major NSR) program-Revision E03 added definition describing the definition of the program of preconstruction review Minor new source review (NSR) permit-Revision E03 added definition describing the
					definition of permit issued under the minor new

Current New Cit SIP E03 Citation 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
				Minor new source review (minor NSR) program- Revision E03 added definition describing the definition of the program for minor sources that do not qualify for review under the major NSR program. New source review (NSR) permit- Revision E03 added definition describing the definition of a permit issued under the program New source review (NSR) program- Revision E03 added definition describing the definition of the preconstruction review program. Nonattainment major new source review (NSR) program- Revision E03 added definition describing the definition of program for implementing the requirements of Section 173 of CAA and associated regulations. Ozone Transport Region – Revision G04 added this definition and is SIP approved. Revision E03 does not make any changes to it. Plantwide applicability limitation (PAL) - Revision E03 added definition describing the definition of a plantwide applicable limitation that is enforceable as a practical matter in accordance with 5-80-2144 PAL effective date- Revision E03 added definition describing the definition as the date of issuance of the PAL permit.

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					PAL effective period- Revision E03 added definition describing the definition which means the period beginning with the PAL effective date and ending five years later. PAL major modification - Revision E03 added definition describing the definition notwithstanding the definitions for major modification and net emissions increase, any physical change in or change in the method of operation of the PAL source that causes it to emit the PAL pollutant level equal to or greater than the PAL. PAL permit- Revision E03 added definition describing the definition which means the permit issued by the board to the permittee. PAL pollutant- Revision E03 added definition describing the definition which means the pollutant or which a PAL is established at a major stationary source. Predictive emission monitoring system- Revision E03 added definition describing the definition describing the definition which means all the equipment necessary to monitor process and control device operational parameters. Prevention of Significant Deterioration (PSD) program- Revision E03 added definition describing the meaning of a PSD program. Project- Revision E03 added definition describing the definition which means a physical change in or

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					change in the method of operation of an existing major stationary source. Projected actual emissions- Revision E03 added definition describing the definition of projected actual emissions and the methods the State would like used for establishing the projections. Public comment period - Added by Revision DOO and approved with Revision G04no changes are made with E03. Significant emissions increase- Revision E03 added definition describing the definition which means for a regulated NSR pollutant an increase in emissions that is significant for that pollutant. Significant emissions unit- Revision E03 added definition describing the definition which means an emissions unit that emits or has the potential to emit a PAL pollutant in an amount that is equal or greater than the significant level for that PAL pollutant but less than the amount that would qualify the unit as a major emissions unit. Small emissions unit- Revision E03 added definition describing the definition which means an emissions unit that emits or has the potential to emit the PAL pollutant in an amount less than the significant level for that PAL pollutant. State enforceable - Added by Revision DOO and approved with Revision G04no changes are made with E03

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
					State operating permit- Revision E03 added definition describing the definition which means a permit issued under the state operating permit program. State operating permit program - Added by Revision DOO and approved with Revision G04text changes are made with E03 which actually reword text for clarification. Synthetic minor- Added by Revision DOO and approved with Revision G04no changes are made with E03 Temporary clean coal technology demonstration project- Revision E03 added definition describing the definition which means a clean coal technology demonstration project that is operated for a period of five years or less which will attain and maintain the NAAQS during the project and after it is terminated.
5-80-2020	5-80-2020	5-80-2020 (not part of SIP submittal)	5-80-2020	General	2020 A. Text changes made – deleting word "reconstruction" and adding " the permit will state that the major stationary source or major modification shall meet all the applicable requirements of this article." 2020 B. Revision DOO makes editorial changes and Revision E03 mirrors DOO. Makes text easier to read

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
Chauon	09/01/06	12/01/04	05/01/02		2020 C. Revision E03 makes editorial or clarifying text changes to this ruleminor in nature. Makes text easier to read 2020 D. Revision DOO added this to the rule – "the board may not incorporate the terms and conditions of a state operating permit, a minor new source review permit, or a PAL permit into a permit issued pursuant to this article. 2020 E. Revision DOO added – all terms and conditions of any permit issued are federally enforceable except those designated state only. Also adds Section E.1 and E.2 for further explanation. 2020 F. DOO addition – "nothing in the regulations shall be construed to prevent the board from granting permits for programs of construction or modification in planned incremental phases. In such cases all net emissions increase from all emission units covered by the program shall be added together for determining the applicability of this article."
5-80-2030	5-80-2030	5-80-2030 (not	5-80-2030	Applications	Revision DOO made the following changes.

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
		part of SIP submittal)			Minor Word text changes in Section A. Section B added – requires a separate application for each stationary source. The old Section B becomes C and C becomes D. The new Section C has minor text changes. Revision DOO deletes C.1-3, Section D. and Section E. Revision E03 follows DOO changes
5-80-2040	5-80-2040	5-80-2040 (not part of SIP submittal)	5-80-2040	Application Information Required	Revision DOO changed the Title to read "Application Information Required". Revision E03 follows this change. Revision DOO changed the following Added Section A. board will furnish applications forms to applicants. The old Section A is now Section B. DOO added new additional text at Section B.2. through B.9. The old B2., B.3, and B.4 are now B.10. through B.12. Section B explains what an application should entail. Section B. became Section C. Overall Revision E03 follows the changes made by Revision DOO however at Section B3 and B3.a. word changes "air" pollutant to "NSR" pollutant. Revision E03 has word changes from "shall" to "will" in Sections A. In B. 10 the words

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
5-80-2050	5-80-2050	5-80-2050 (not part of SIP submittal)	5-80-2050	Standards and conditions for granting permits	Revision DOO adds Sections 2050 B – D. Revision E03 deletes Section B Thus the two new Sections would be B. and C. both of which are discussing establishing emission standards to the extent necessary to assure emission levels are enforceable as a practical matter. Revision E03 deletes descriptive text under the new Section C.3. and C.4 (formerly Section D.3 and D.4)
5-80-2060	5-80-2060	5-80-2060 (not part of SIP submittal)	5-80-2060	Action on permit applications	Revision DOO makes editorial changes – 2060A. adds - VA statutory citation at the end of section. There is also a change from "shall" to "will". Revision DOO adds the following to Section 2060B. – The board may extend this time period if additional information is required. Processing steps may include, but not be limited to the following. Revision E03 keeps these changes.
5-80-2070	5-80-2070	5-80-2070 (not part of SIP submittal)	5-80-2070	Public participation	Revision DOO changes words "SIP responsibilities" to "Jurisdiction" at 2070F.2. Adds F.3. – notices of public comment periods and hearings shall be published and meet VA requirements Adds Section G – request of the applicant – the board shall process permit application under this article using public participation requirements of this article. Revision E03 keeps Revision DOO changes but changes word "shall" to "will"

Current SIP Citation	New Citation E03 09/01/06	Citation from G04 (OTR) 12/01/04	Citation from DOO 05/01/02	Title	Differences
5-80-2080	5-80-2080	5-80-2080 (not part of SIP submittal)	5-80-2080	Compliance determination and verification by performance testing	Revision DOO changes for word consistency in 2080A. It also deletes 2080B (HAPs), deletes 2080D sources subject to Article 5, Changes wording to Section F., Adds Section E – granting of waiver does not shield against enforcement. Revision E03 follows with Revision DOO changes.
5-80-2090	5-80-2090	5-80-2090 (not part of SIP submittal)	5-80-2090	Application review and analysis	Minor word consistency changes – Revision DOO added word "nonattainment" to "qualifying nonattainment pollutant emissions". Revision E03 deletes "qualifying".
5-80-2110	5-80-2110	5-80-2110 (not part of SIP submittal)	5-80-2110	Interstate Pollution abatement	Revision E03 deletes word "reconstruction" at 2110 A. and C. Minor word changes for consistency – "EPA Administrator" to "administrator"
5-80-2120	5-80-2120	5-80-2120 (not part of SIP submittal)	5-80-2120	Offsets	Revision E03 added and then subsequently deleted Clean Unit and PCP provisions. The new Section 2120. L. adds the provision "The total tonnage of increased emissions, in total tons per year, resulting from a major modification that shall be offset in accordance with Section 173 shall be determined by summing the difference between the allowable emissions after the modification and the actual emissions before the modification for each emissions unit.
5-80-2130	5-80-2130	5-80-2130 (not part of SIP submittal)	5-80-2130	De minimus Increases and stationary source modification	Revision E03 changes 2130.A. to delete wording "De minimus increases" and starts Section A. with "Increased emissions" And then continues with

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				alternatives for ozone nonattainment areas classified as serious or severe in 9 VAC 5-20- 204	same text.
5-80-2140	5-80-2140	5-80-2140 (not part of SIP submittal)	5-80-2140	Exception	Minor word consistency changes from SIP approved version such as in lieu of referencing Act it now references 40 CFR Parts.
5-80-2150	5-80-2150	5-80-2150 (not part of SIP submittal)	5-80-2150	Compliance with local zoning requirements	Minor word consistency changes from SIP approved version.
5-80-2170	5-80-2170	5-80-2170 (not part of SIP submittal)	5-80-2170	Transfer of Permits	No changes from SIP approved version.
5-80-2180	5-80-2180	5-80-2180 (not part of SIP submittal)	5-80-2180	Permit invalidation, suspension, revocation and enforcement	DOO added word "suspension" to Title of Section. 2180 A. deleted reference to reconstruction. Deleted 2180 A.2 and A.3 which read - A.2. nine months from the date of issuance of the last permit or other authorization and - A.3. nine months from the last resolution of any litigation concerning any such permits or authorizations. Keep A.1 which allows 18 months from the date the permit is granted for commencement of construction or modification. Added Section H in Revision DOO. "permittee shall comply with permit or be in noncompliance with the VA Air Pollution Control Law." Minor

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					word consistency changes such as deleted all references to "reconstruction" in Revision E03 and changed wording "shall" to "will" (2180 J.) and "must" to "shall" (2180 B.)
5-80-2190	5-80-2190	5-80-2190 (not part of SIP submittal)	5-80-2190	Existence of permit no defense	Minor word consistency changessuch as "these regulations" to "the regulations of the board".

Table 2. Rules Repealed

Current SIP Citation	New Citation State Revision E03 09/01/06	Citation from State Revision G04 – Ozone Transport Region 12/01/04	Citation from State Revision DOO 05/01/02	Title	Differences
5-80-2100 Circumvention	5-80-2100 Repealed	5-80-2100 (Repealed – in rules that accompany SIP but not part of SIP submittal)	5-80-2100 Repealed	Repealed	Section for Circumvention is currently in Region III SIP rule copy
5-80-2160	5-80-2160	5-80-2160	5-80-2160	Repealed	Section for Reactivation & Permanent

Current SIP Citation	New Citation State Revision E03 09/01/06	Citation from State Revision G04 – Ozone Transport Region 12/01/04	Citation from State Revision DOO 05/01/02	Title	Differences
Reactivation & Permanent Shutdown	Repealed	(Repealed – in rules that accompany SIP but not part of SIP submittal)	Repealed		Shutdown is currently in Region III SIP rule copy

Table 3. Rules Added

New Citation State Revision E03 09/01/06	Citation from State Revision G04 –Ozone Transport Region approval 12/01/04	Citation from State Revision DOO 05/01/02	Title	Description
5-80-2091	N/A	N/A	Source Obligation	New Section for Revision E03 - Adds obligations of sources – discusses reasonable possibility
5-80-2144	N/A	N/A	Actuals plantwide applicability limits (PALs)	New Section for Revision E03 - Adds PALs permitting procedures/requirements
5-80-2200	These regulations were already present in the State's regulations as of 12/01/04 but not requested for SIP approval under the State Revision G04- Ozone Transport Region submittal. They were present under the State's regulations for DOO and requested at that time for SIP approval.	New	Changes to Permits	Requirements for permit changes - minor text consistency changes from original version In 2200 A.4. Revision E03 deletes wording that Section is not applicable to general permits.
5-80-2210	These regulations were already present in the	New	Administrative Permit amendments	Requirements and procedures - minor text consistency changes from original version Deletes reference to 2020C at 2210 A.4.

New Citation State Revision E03 09/01/06	Citation from State Revision G04 –Ozone Transport Region approval 12/01/04	Citation from State Revision DOO 05/01/02	Title	Description
	State's regulations as of 12/01/04 but not requested for SIP approval under the State Revision G04- Ozone Transport Region submittal. They were present under the State's regulations for DOO and requested at that time for SIP approval.			
5-80-2220	These regulations were already present in the State's regulations as of 12/01/04 but not requested for SIP approval under the State Revision G04- Ozone Transport Region submittal. They were present under	New	Minor Permit Amendments	Requirements and procedures - minor text consistency changes from original version Deletes reference to Section 112 at 2220 B.4. and B.5. Deletes reference to Section A of 2220

New Citation State Revision E03 09/01/06	Citation from State Revision G04 –Ozone Transport Region approval 12/01/04 the State's regulations for DOO and requested at that time for SIP approval.	Citation from State Revision DOO 05/01/02	Title	Description
5-80-2230	These regulations were already present in the State's regulations as of 12/01/04 but not requested for SIP approval under the State Revision G04- Ozone Transport Region submittal. They were present under the State's regulations for DOO and requested at that time for SIP approval.	New	Significant amendment procedures	Requirements and procedures – minor text consistency changes from original version Deletes reference to Section 112 at 2230 A.2.
5-80-2240	These regulations were already	New	Reopening for cause	Requirements and procedures – minor text consistency changes from original version

New Citation State Revision E03 09/01/06	Citation from State Revision G04 –Ozone Transport Region approval 12/01/04	Citation from State Revision DOO 05/01/02	Title	Description
	present in the State's regulations as of 12/01/04 but not requested for SIP approval under the State Revision G04- Ozone Transport Region submittal. They were present under the State's regulations for DOO and requested at that time for SIP approval.			2240 A.3. changes "shall" to "must" 2240 A.4. deleted – permit applicability of new emission standard after issuance