

VVa Sample Rule Template

Client Confirmation	
Database Name	
Regulation	Vva
Rule Description	40 CFR 60 Subpart Vva
Rule Name	VVa
Developed by	Z. CHEN
Modified by	
Approved by	
Date Approved	
Effective Date	
Replacing Existing Rules	

Rule Meetings		
Date	Attendees	ID #
		1

Notes & Comments	

M21 Exemptions		
	Value	Comment
< 300 hrs	Y	40 CFR 60.482 1a(e)
Inaccessible-ElevatedConnector	Y	40 CFR 60.482 11a(f)
Inaccessible-Buried	Y	40 CFR 60.482 11a(f)
Inaccessible-General	Y	40 CFR 60.482 11a(f)
Inaccessible-Obstructed	Y	40 CFR 60.482 11a(f)
Insulation	Y	40 CFR 60.482 11a(f)
Non-VOC		
Unmanned Site		
UTM		
Vacuum	Y	40 CFR 60.482 1a(d)

AVO Exemptions		
	Value	Comment
< 300 hrs		
Inaccessible-ElevatedConnector		
Inaccessible-Buried		
Inaccessible-General		
Inaccessible-Obstructed		
Insulation		
Non-VOC		
Unmanned Site		
UTM		
Vacuum		

OGI Exemptions		
	Value	Comment
< 300 hrs		
Inaccessible-ElevatedConnector		
Inaccessible-Buried		
Inaccessible-General		
Inaccessible-Obstructed		
Insulation		
Non-VOC		
Unmanned Site		
UTM		
Vacuum		

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Cooling Tower Exemptions		
	Value	Comment
< 300 hrs		
Inaccessible-ElevatedConnector		
Inaccessible-Buried		
Inaccessible-General		
Inaccessible-Obstructed		
Insulation		
Non-VOC		
Unmanned Site		
UTM		
Vacuum		

M21 Frequency								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Frequency	Comments
Pump			LL				Monthly	40 CFR 60.482 2a(a)(1)
Pump	DMS		LL				Exempt	40 CFR 60.482 2a(d)
Pump			LL		Y		Annual	40 CFR 60.482 2a(e)
Pump			LL			Y	Exempt	40 CFR 60.482 2a(f)
Pump			LL	Y			Exempt	40 CFR 60.482 2a(g)
Valve			LL				MMQ	40 CFR 60.482 7a(c)
Valve			GV				MMQ	40 CFR 60.482 7a(c)
Valve			LL		Y		Annual	40 CFR 60.482 7a(f)
Valve			GV		Y		Annual	40 CFR 60.482 7a(f)
Valve			LL	Y			Exempt	40 CFR 60.482 7a(g)
Valve			GV	Y			Exempt	40 CFR 60.482 7a(g)
CVS	Duct Work						Annual	40 CFR 60.482 10a(f)(2)(ii)
CVS				Y			Exempt	40 CFR 60.482 10a(j)
Connector			LL				Annual	40 CFR 60.482 11a(b)(3)
Connector			GV				Annual	40 CFR 60.482 11a(b)(3)
Connector			LL	Y			Exempt	40 CFR 60.482 11a(e)
Connector			GV	Y			Exempt	40 CFR 60.482 11a(e)
Compressor					Y		Annual	40 CFR 60.482 3a(i)(2)

AVO Frequency								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Frequency	Comments
Pump			LL				Weekly	40 CFR 60.482 2a(a)(2)
Pump	Unmanned Site		LL				Monthly	40 CFR 60.482 2a(h)
CVS	Hard Piping						Annual	40 CFR 60.482 10a(f)(1)(ii)

OGI Frequency								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Frequency	Comments

Cooling Tower Frequency								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Frequency	Comments

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M21 Initial Monitoring		Should Exempt components be scheduled for initial monitoring? (Y/N)						
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Days to Respond	Comments
Pump			LL				30	40 CFR 60.482 2a(a)(1)
Valve			LL				30	40 CFR 60.482 7a(a)(2)
Valve			GV				30	40 CFR 60.482 7a(a)(2)
Valve			LL		Y		30	40 CFR 60.482 7a(f)(3)
Valve			GV		Y		30	40 CFR 60.482 7a(f)(3)
CVS	Hard Piping						30	40 CFR 60.482 10a(f)(1)(i)
CVS	Duct Work						30	40 CFR 60.482 10a(f)(2)(i)
Connector			LL				365	40 CFR 60.482 11a(a)
Connector			GV				365	40 CFR 60.482 11a(a)
Compressor							365	40 CFR 60.482 3a(i)(2)

AVO Initial Monitoring		Should Exempt components be scheduled for initial monitoring? (Y/N)						
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Days to Respond	Comments

OGI Initial Monitoring		Should Exempt components be scheduled for initial monitoring? (Y/N)						
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Days to Respond	Comments

Cooling Tower Initial Monitoring								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	Days to Respond	Comments

M21 Delay Monitoring						
Type	SubType	SubSubType	Physical State	Days	Comments	
Connector				90	40 CFR 60.482 11a(b)(3)(iv)	

M21 Leak Rates								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	PPM	Comments

Cooling Tower Leak Rates								
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	PPM	Comments

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M21 PPM Response											
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	PPM	1 st Att	1 st ReTest	Final Resolution	Comments
Pump	Polymerizing Monomers		LL				5,000				40 CFR 60.482 2a(b)(1)(i)
Pump			LL				2,000				40 CFR 60.482 2a(b)(1)(ii)
Pump			LL				500				40 CFR 60.482 2a(e)(2)
Pump			HL				10,000				40 CFR 60.482 8a(b)
Valve			LL				500				40 CFR 60.482 7a(b)
Valve			GV				500				40 CFR 60.482 7a(b)
Valve			HL				10,000				40 CFR 60.482 8a(b)
Connector			LL				500				40 CFR 60.482 11a(b)(2)
Connector			GV				500				40 CFR 60.482 11a(b)(2)
Connector			HL				10,000				40 CFR 60.482 8a(b)
PRV			LL				10,000				40 CFR 60.482 8a(b)
PRV			HL				10,000				40 CFR 60.482 8a(b)
CVS							500				40 CFR 60.482 10a(g)
Compressor							500				40 CFR 60.482 3a(i)(2)

OGI Response										
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	1 st Att	1 st ReTest	Final Resolution	Comments

Cooling Tower PPM Response											
Type	SubType	SubSubType	Physical State	UTM	NDE	CVS	PPM	1 st Att	1 st ReTest	Final Resolution	Comments

Rule Assignment

Property	Value