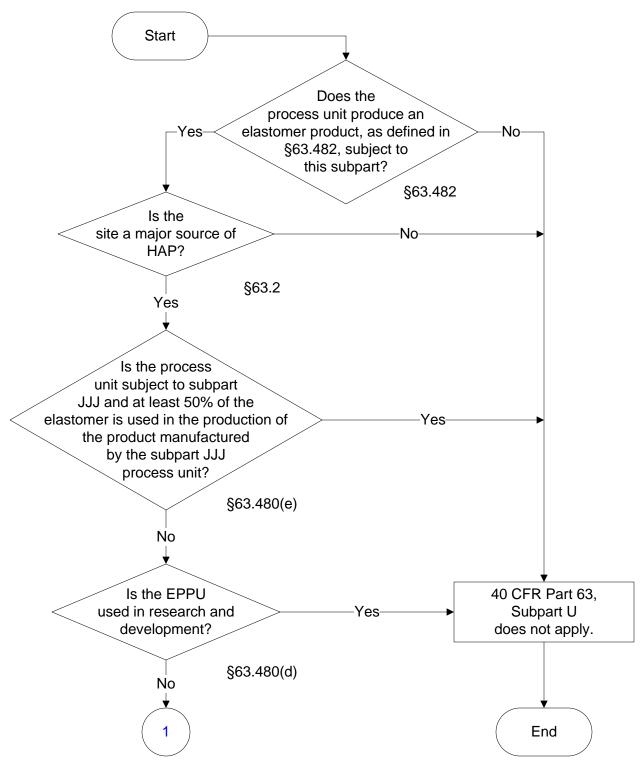
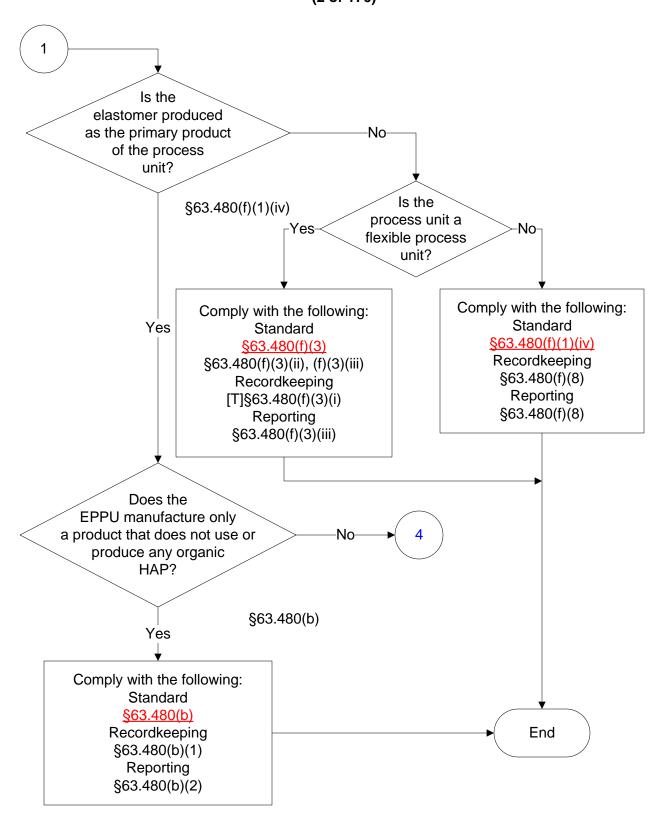


Below is a flowchart describing 40 CFR Part 63, Subpart U. For the text of the statute/rule, please go to

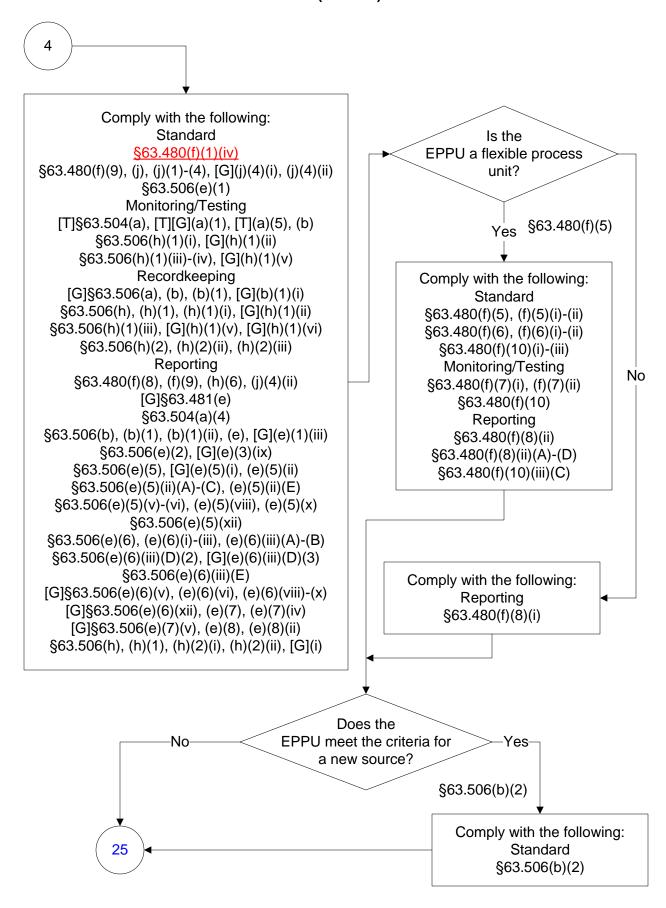
40 CFR Part 63, Subpart U (1 of 176)



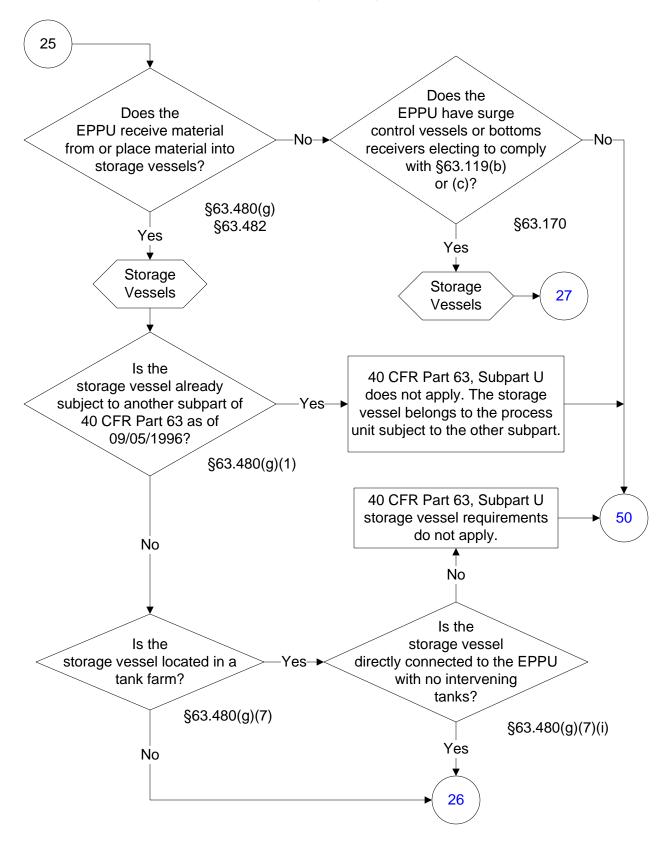
40 CFR Part 63, Subpart U(2 of 176)



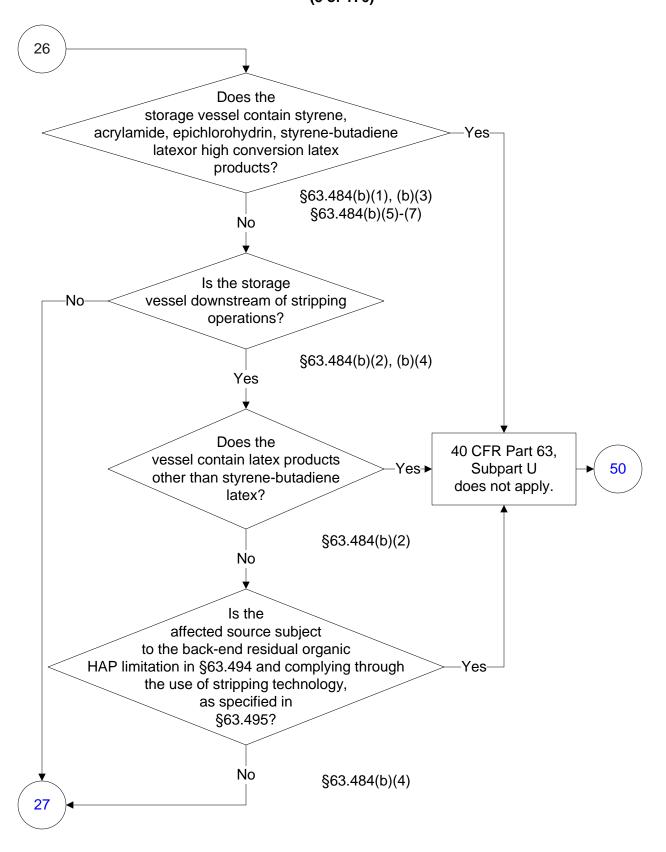
(3 of 176)

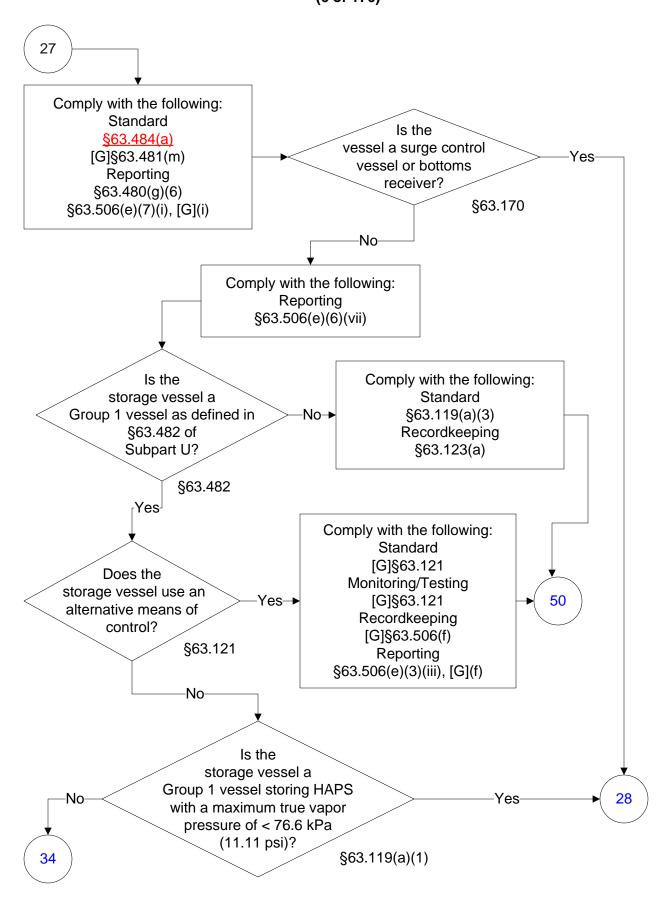


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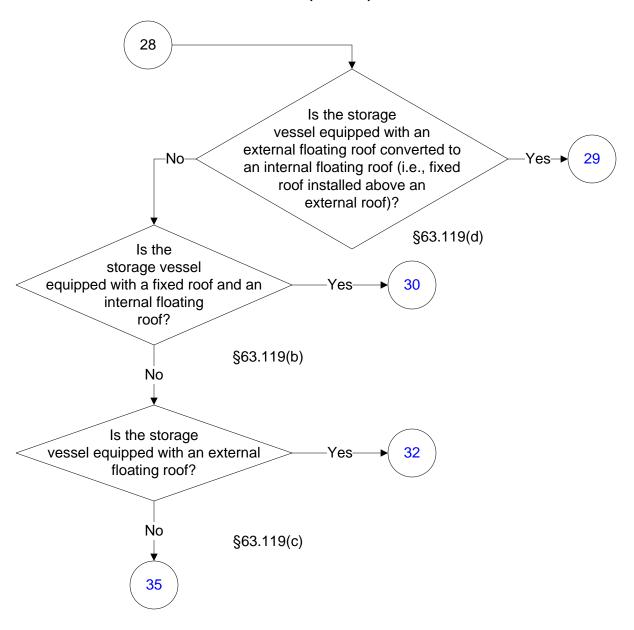


40 CFR Part 63, Subpart U (5 of 176)

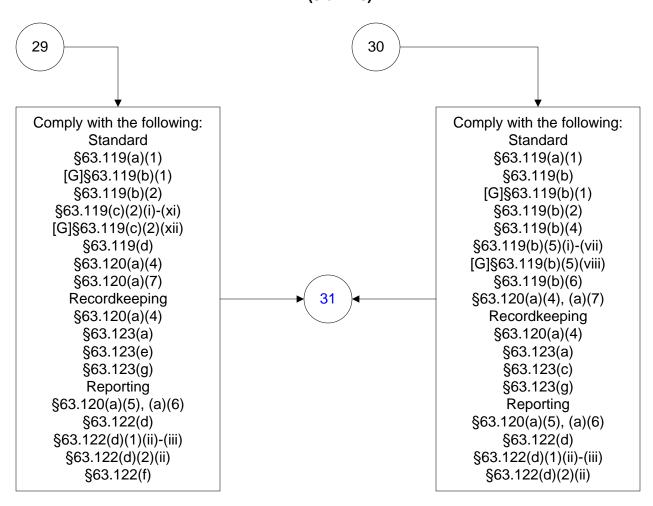




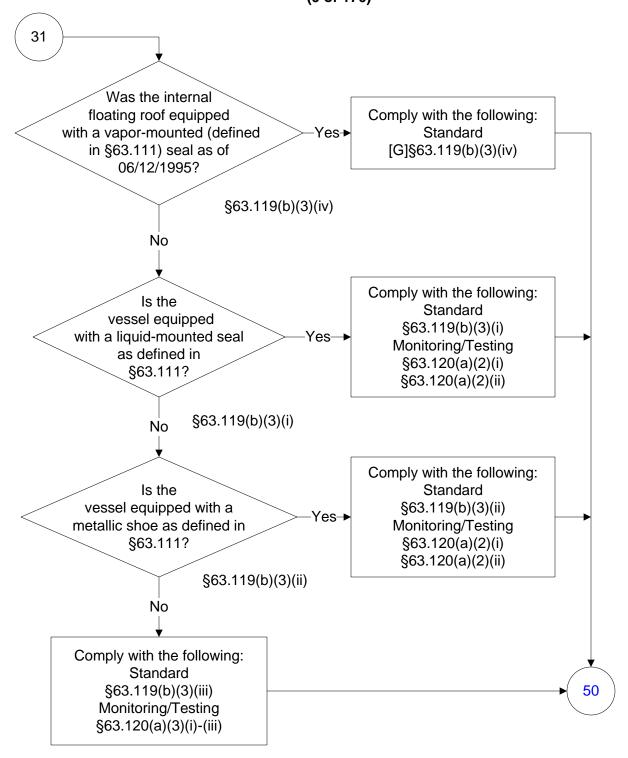
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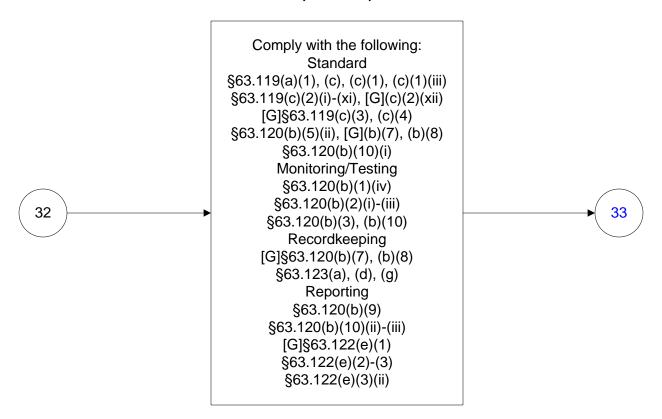
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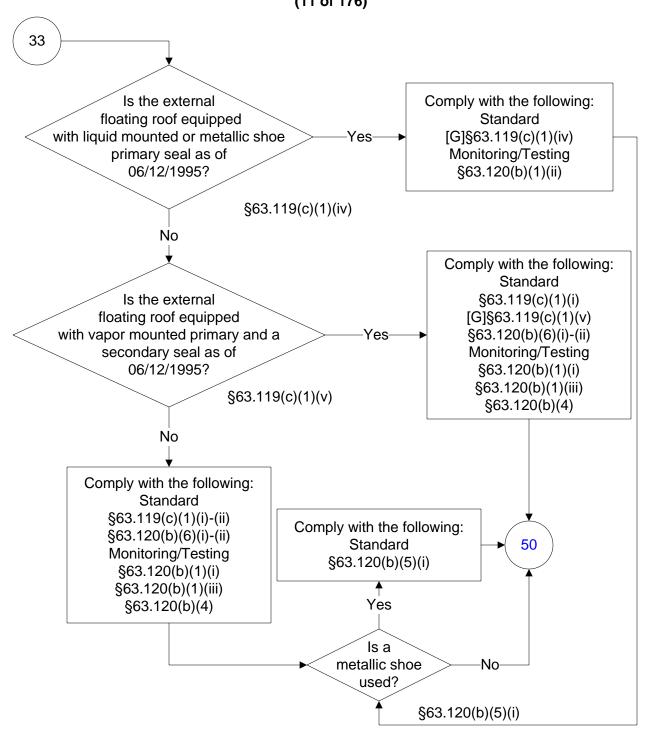


40 CFR Part 63, Subpart U(9 of 176)

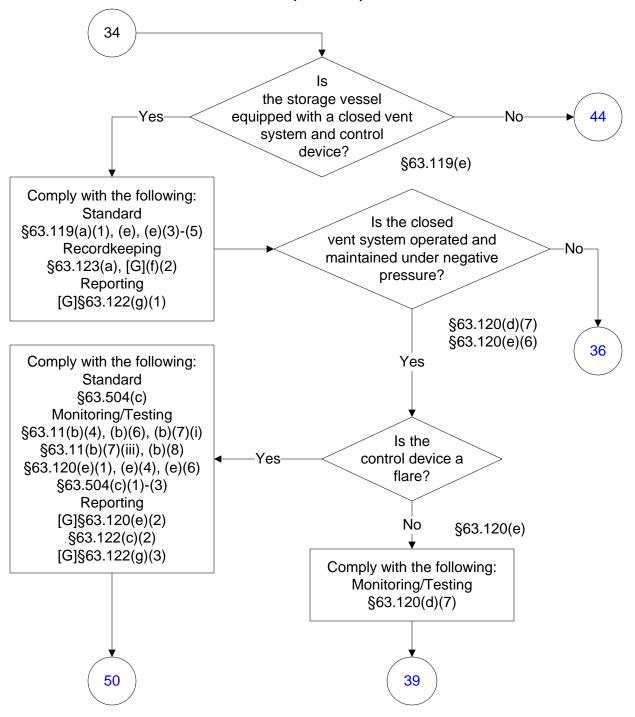


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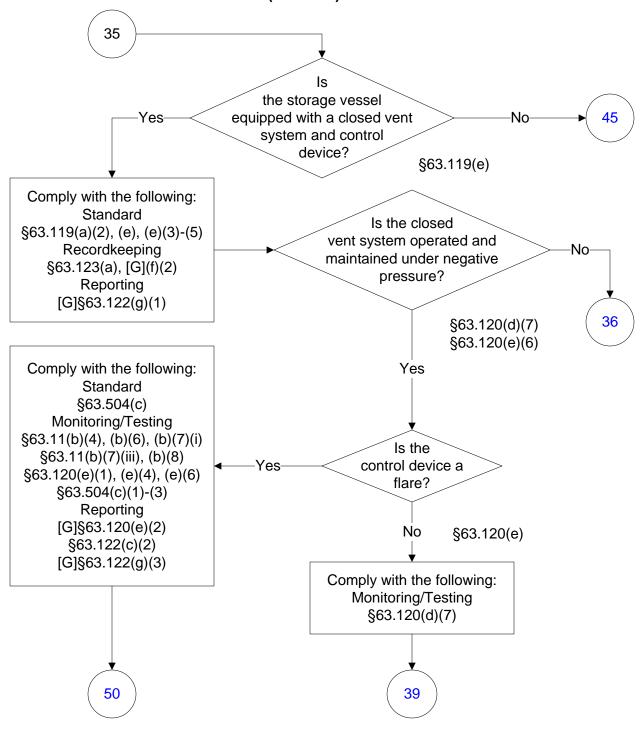


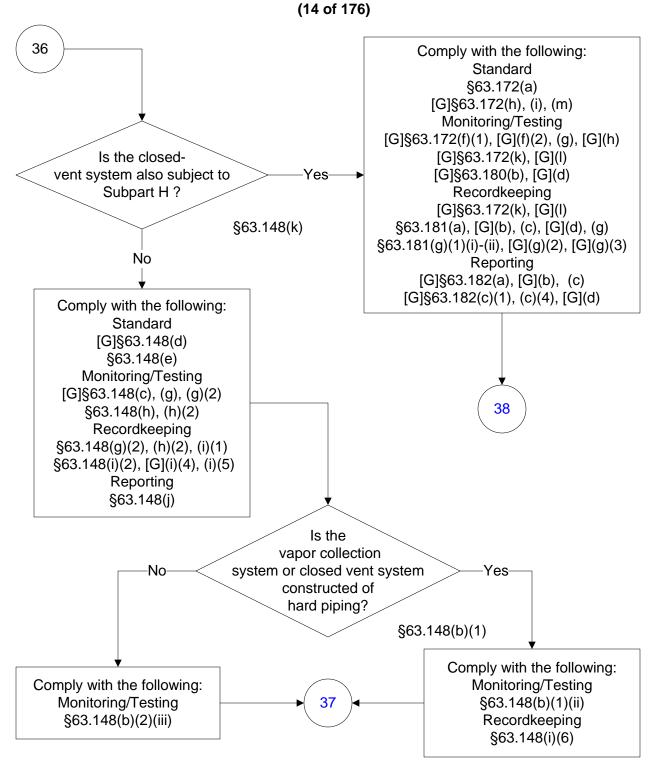


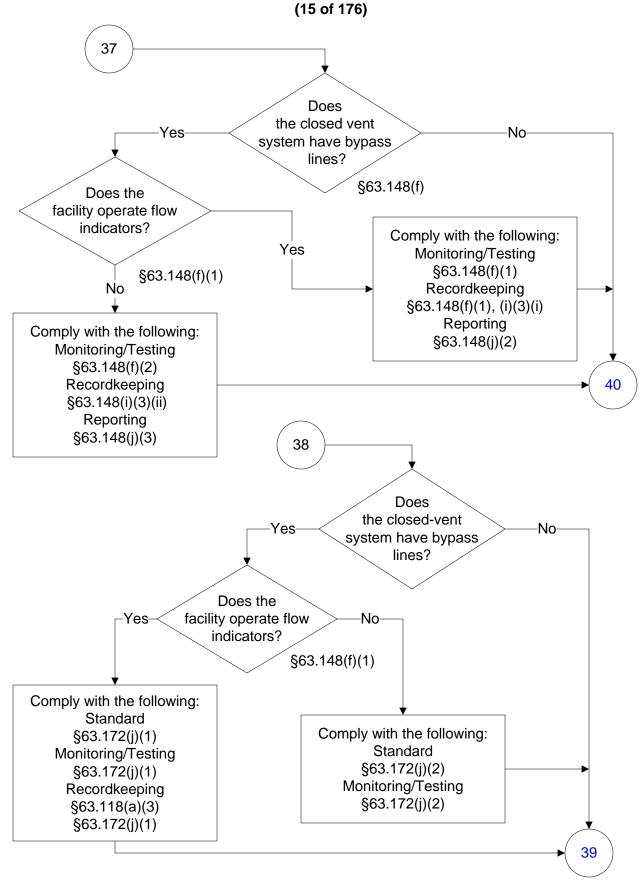
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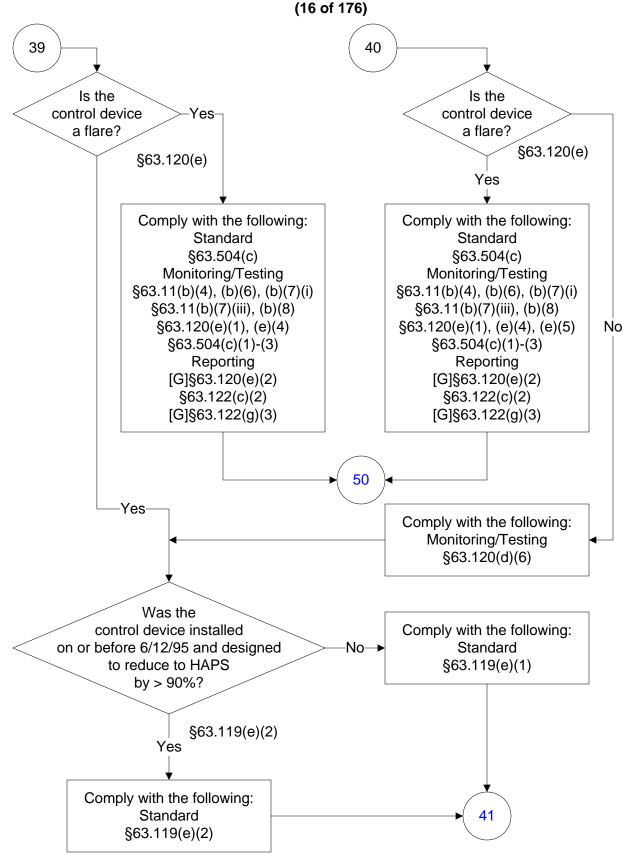


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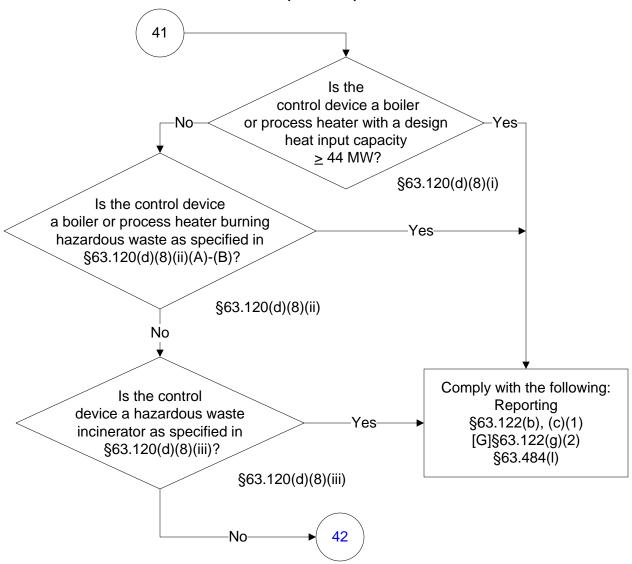


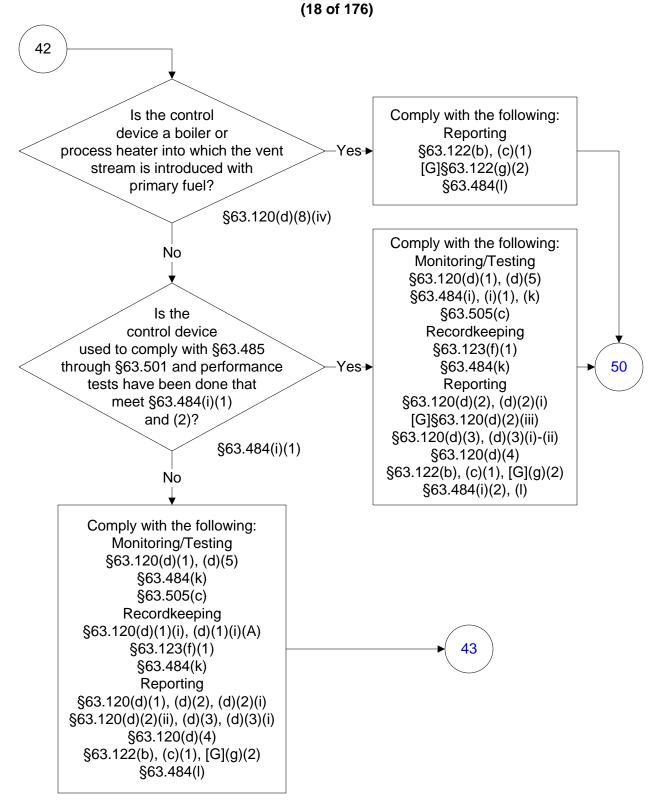


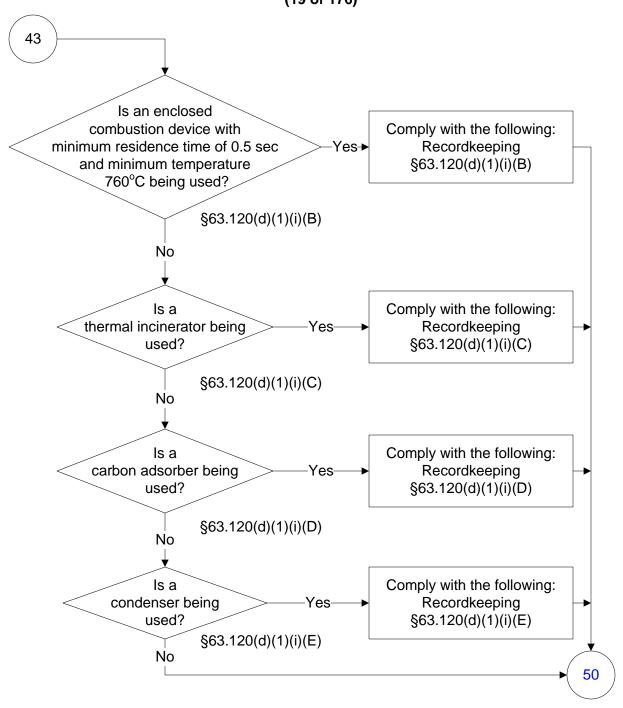




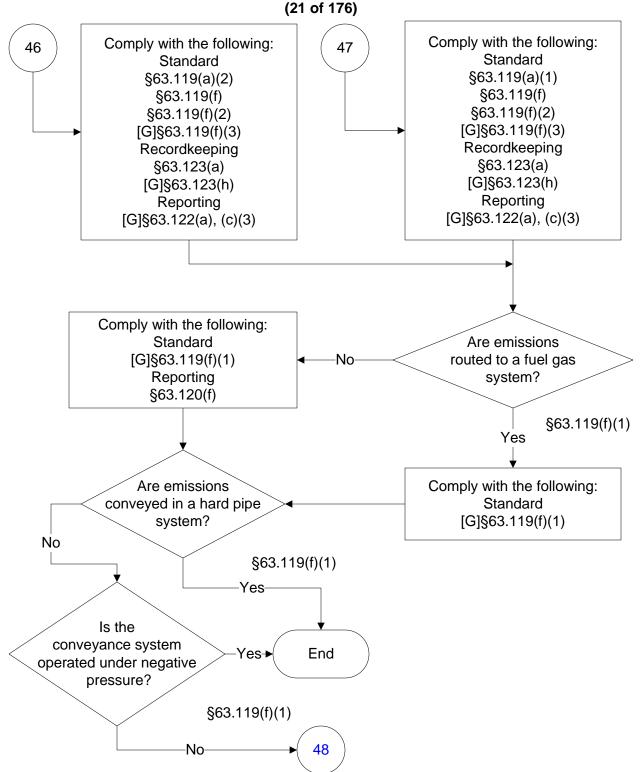
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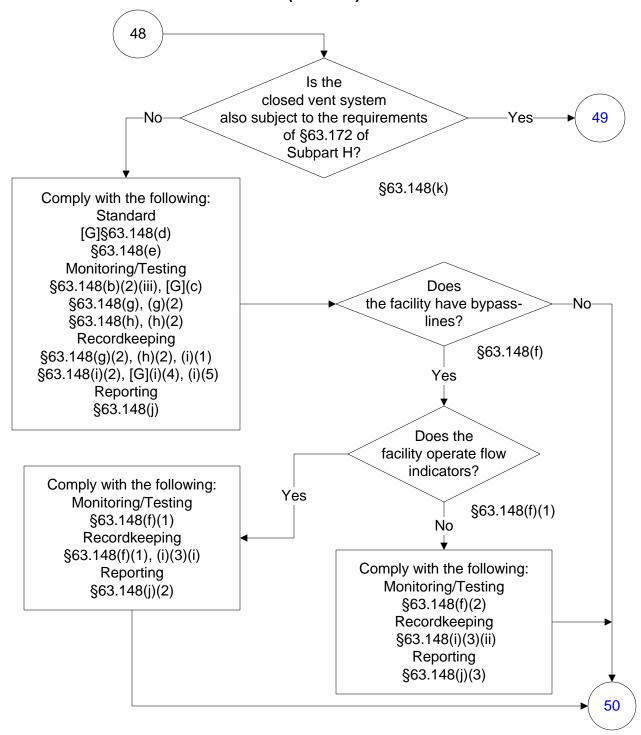




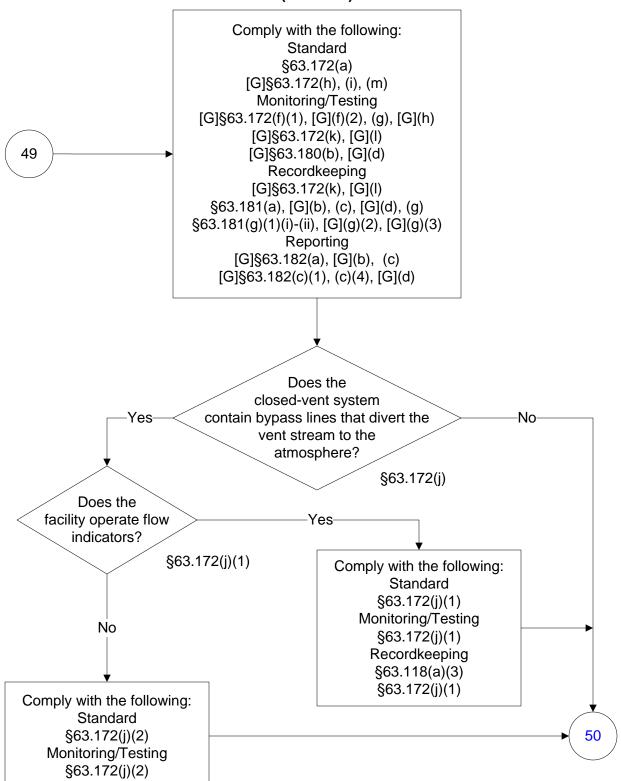
(20 of 176) 44 45 Is the Is the storage vessel equipped storage vessel equipped Nowith a vapor balancing with a vapor balancing system? system? §63.119(g) §63.119(g) Yes Yes 47 46 Comply with the following: Comply with the following: Standard Standard §63.119(a)(1) §63.119(a)(2) §63.119(g), (g)(1)-(4) §63.119(g), (g)(1)-(4) §63.119(g)(5), (g)(5)(ii) §63.119(g)(5), (g)(5)(ii) §63.119(g)(5)(iii) §63.119(g)(5)(iii) 50 Monitoring/Testing Monitoring/Testing §63.119(g)(5)(i) §63.119(g)(5)(i) [G]§63.180(b) [G]§63.180(b) Recordkeeping Recordkeeping §63.123(a) §63.123(a) §63.181(d)(1)-(4) §63.181(d)(1)-(4)



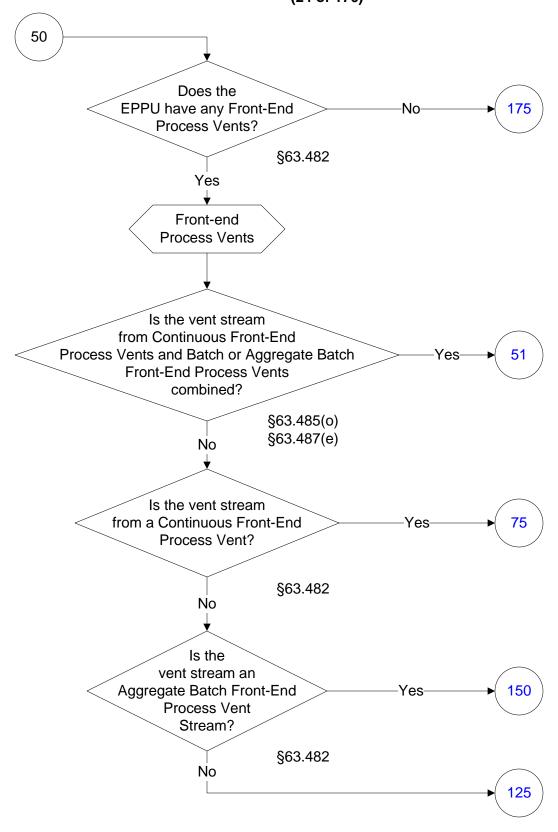
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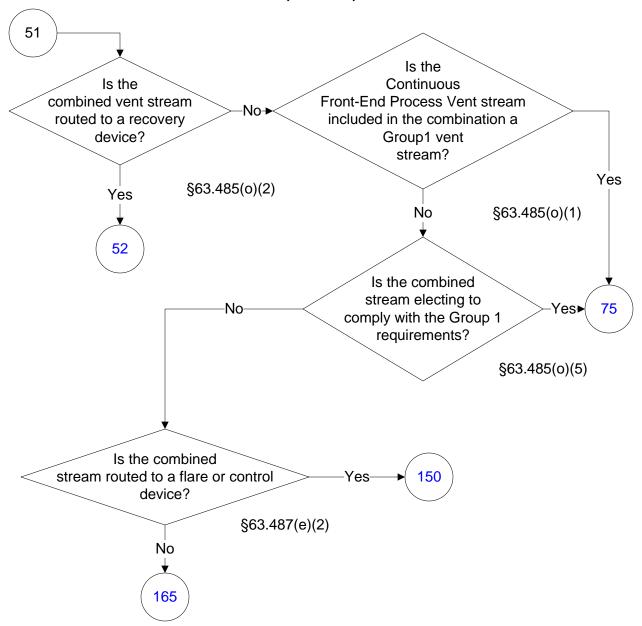
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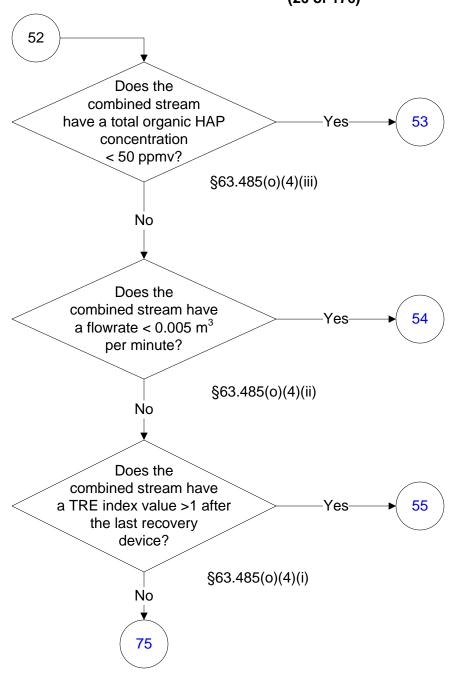


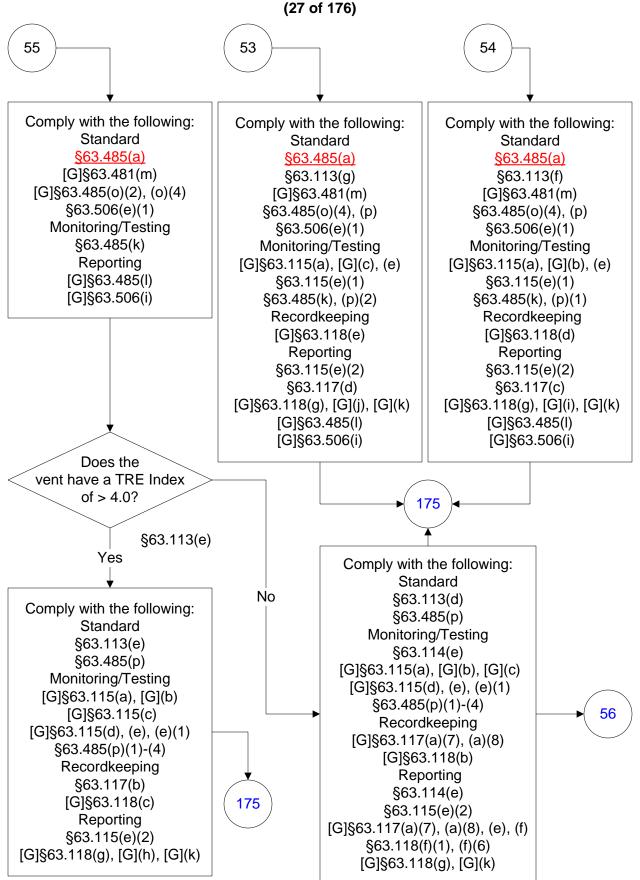
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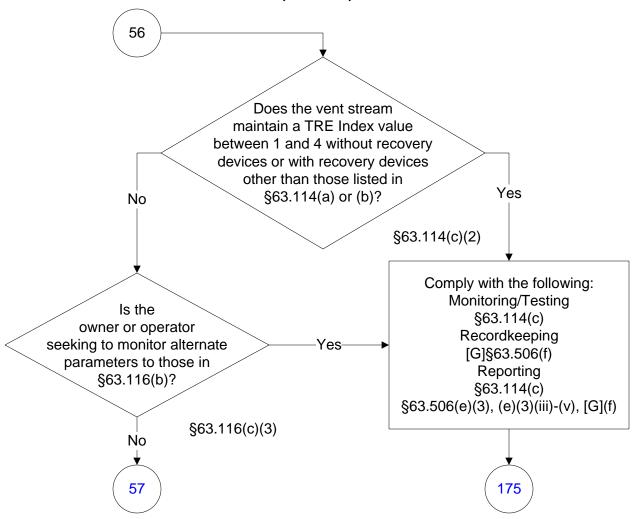
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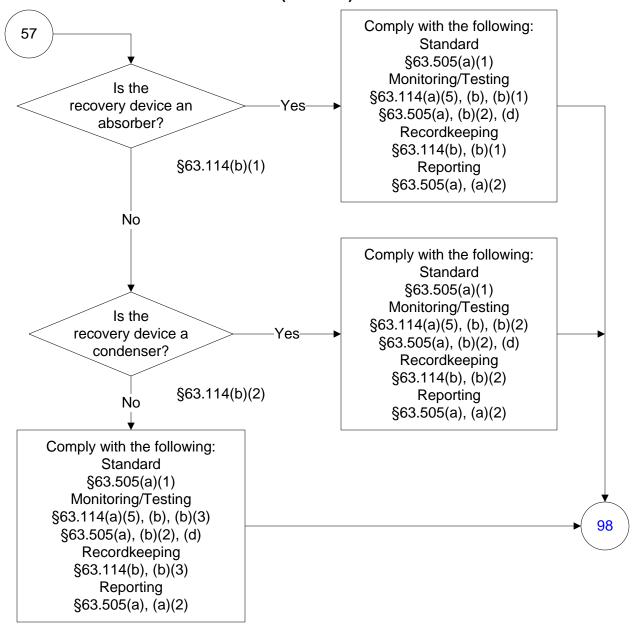




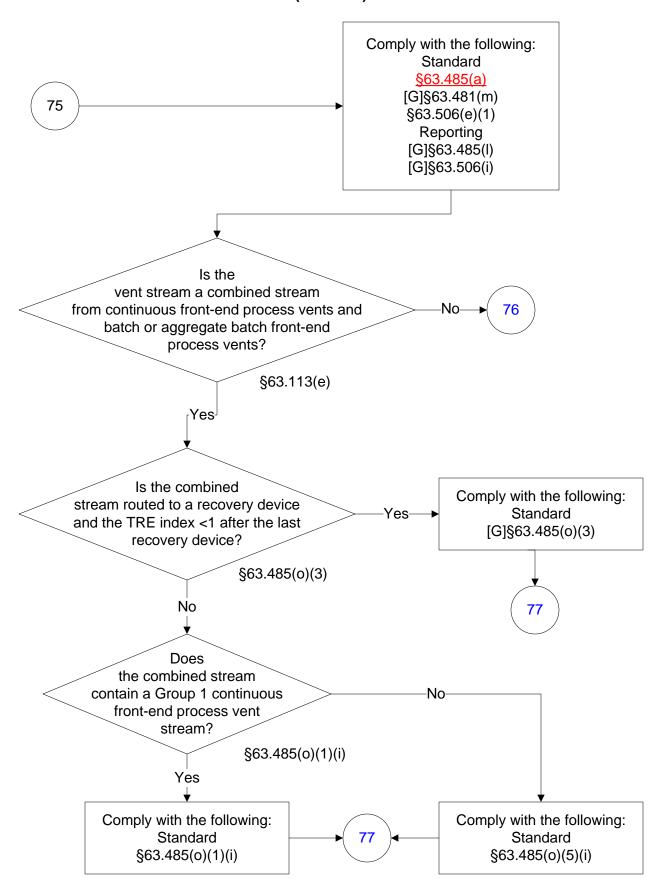
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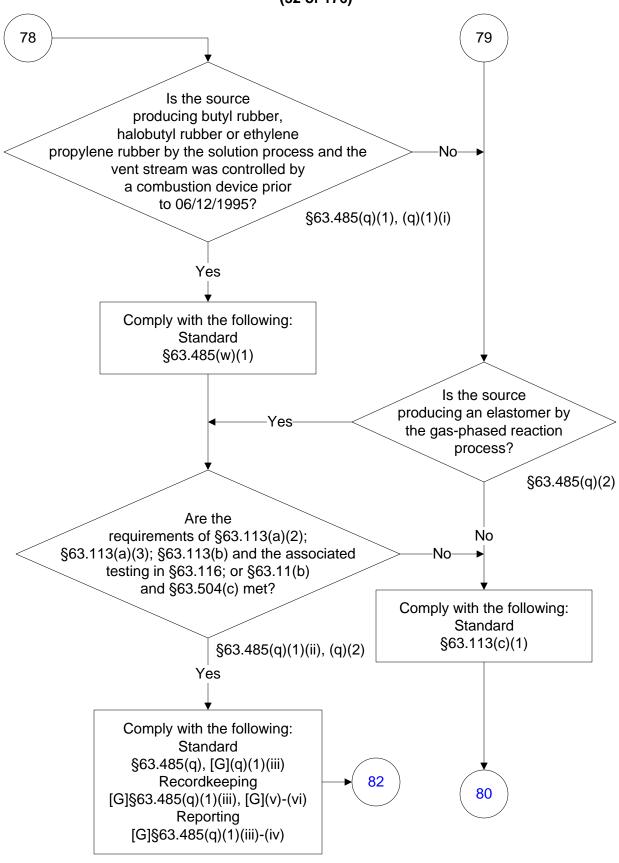
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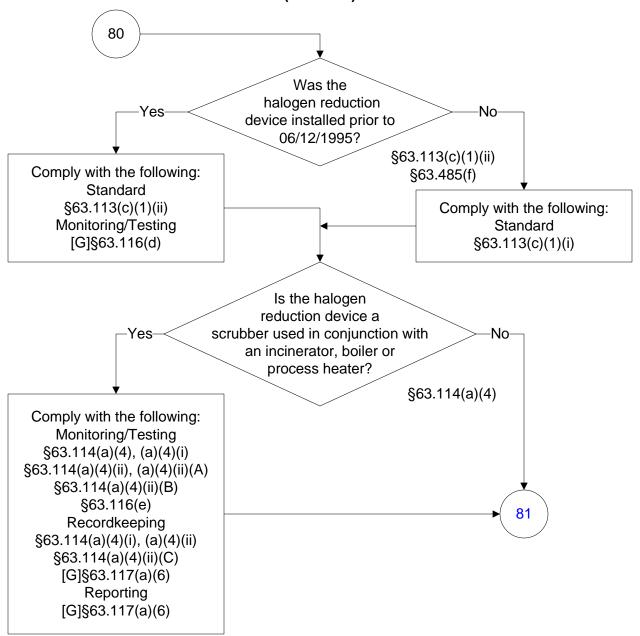
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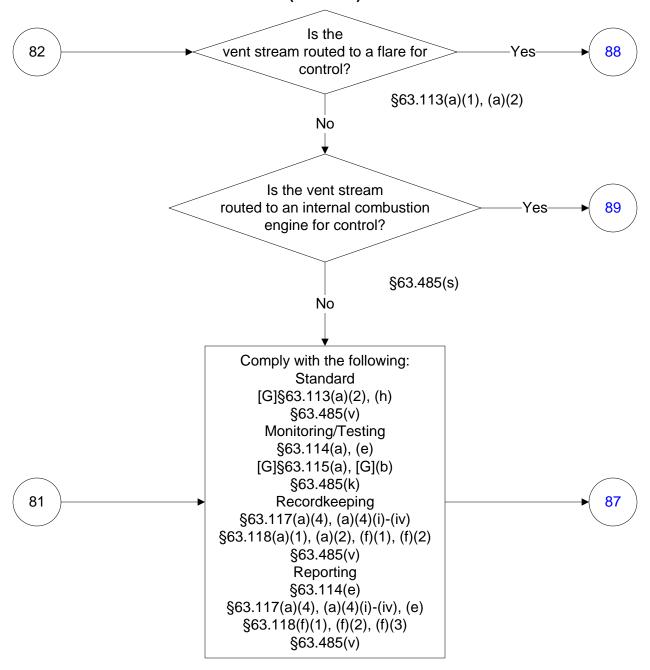
(31 of 176) 76 77 Does the vent meet the definition of a Grp 2 vent or is Is the vent stream the vent a Grp 1 vent with a TRE Index of No→ Nohalogenated? > 1.0 achieved through the use of a recovery device? Yes-§63.113(a)(3), (d) §63.113(a)(1)(ii) Yes 83 Is the vent stream routed to a Yes combustion device for control? §63.113(c) No Is the vent using 81 a halogen reducing device to reduce the mass emission rate to < 0.45 Yes kg/hr prior to routing to any other control device? Comply with the following: Standard §63.113(c)(2) §63.113(c)(2) -No-82 Is the Yesvent at an existing 78 source? §63.480(a)(2) No 79

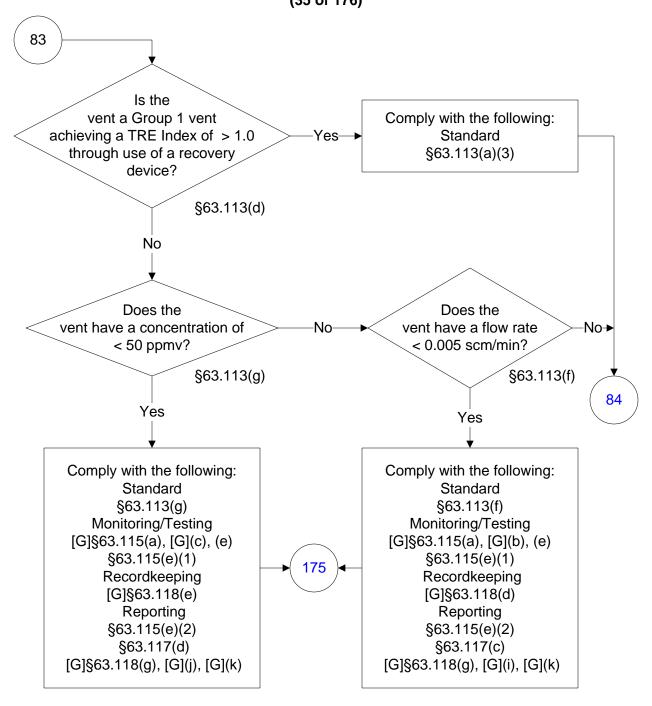


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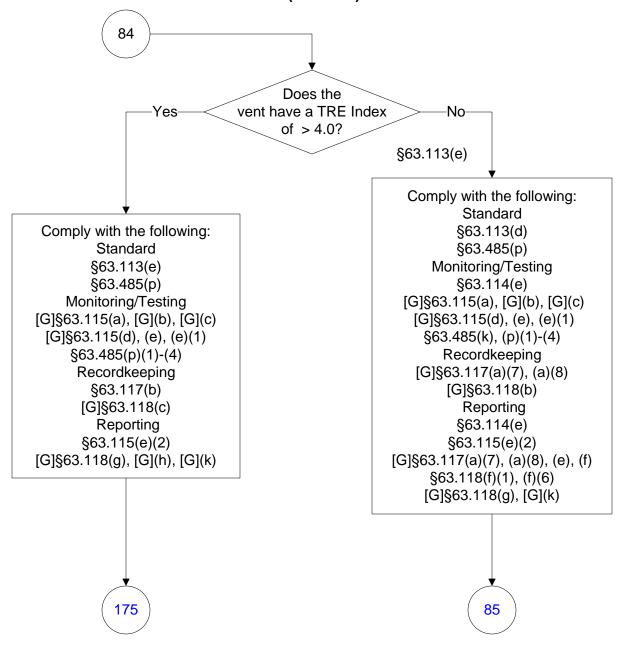


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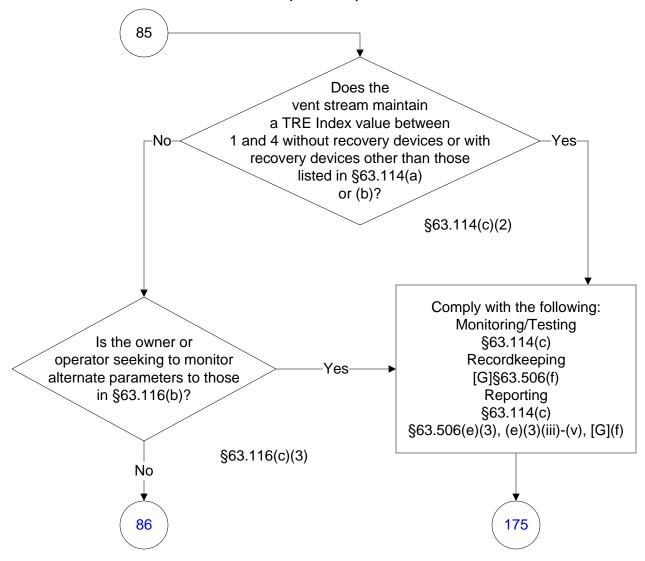




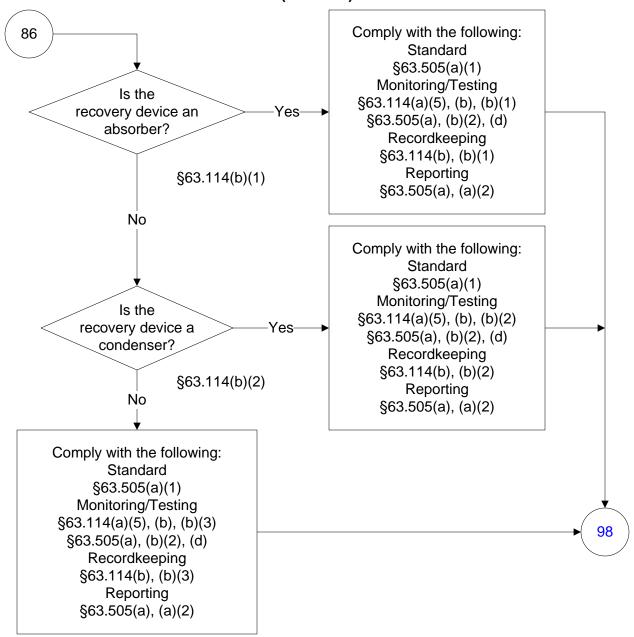
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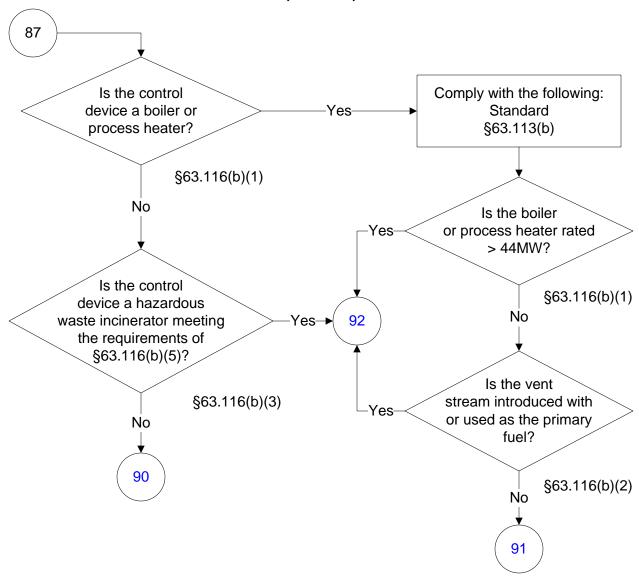
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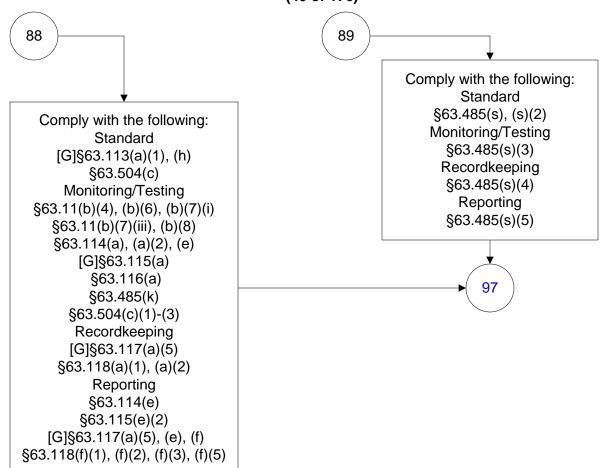
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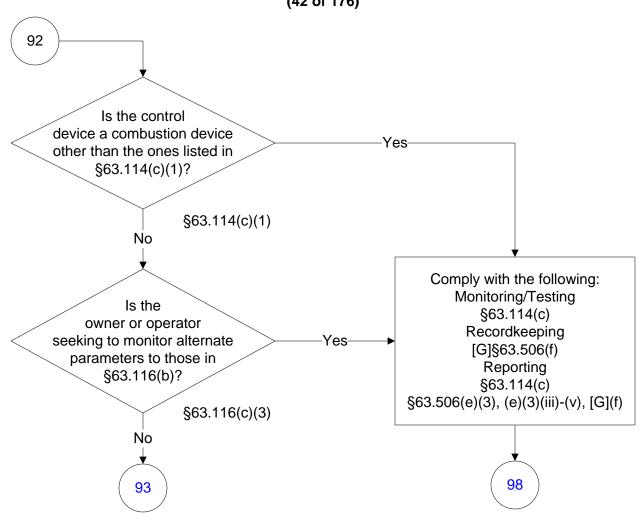


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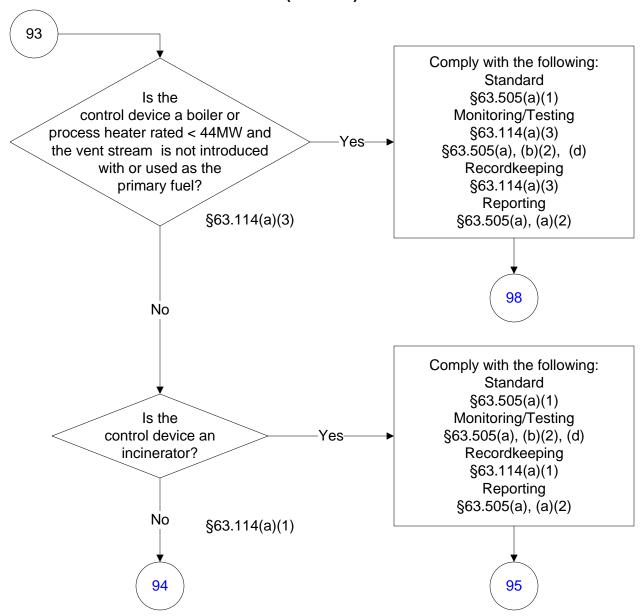


40 CFR Part 63, Subpart U (41 of 176) 90 91 Is the boiler or process heater burning hazardous waste Noand meets the requirements of §63.116(b)(4)(i) or (ii)? Is the control §63.116(b)(4) device one for which a performance test has been conducted for determining compliance with a regulation promulgated by the EPA using the same methods specified in this section and no process changes Yes have been made or it can be demonstrated that the test results reliably demonstrate compliance despite process Yes changes? §63.116(b)(5) No Comply with the following: Monitoring/Testing [G]§63.116(c)

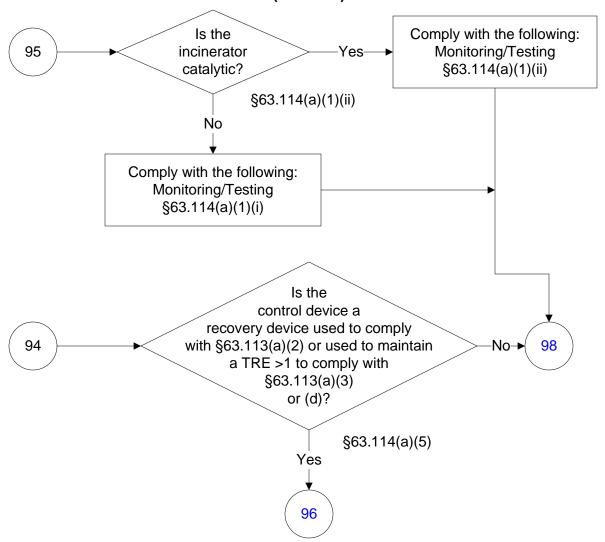
[G]§63.485(t) §63.505(c)



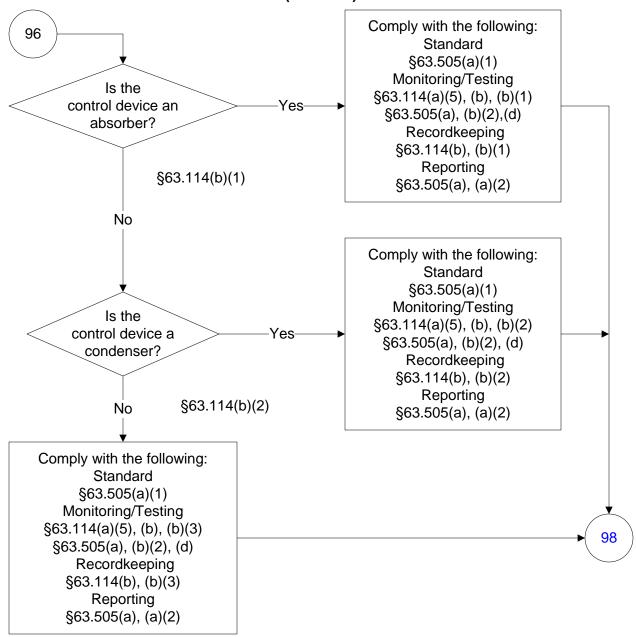
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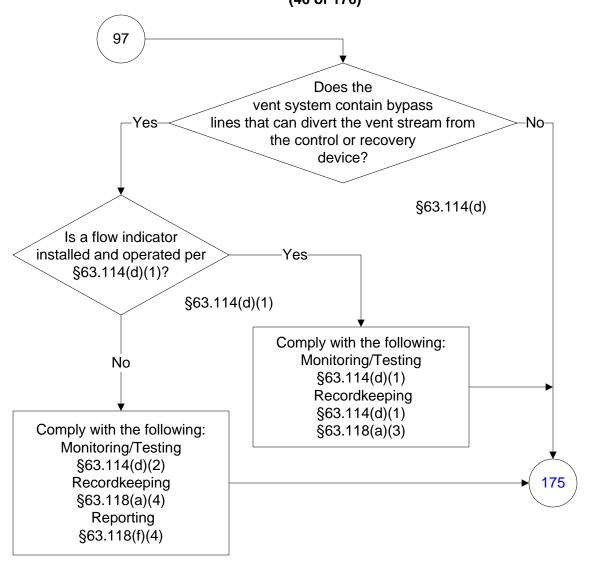


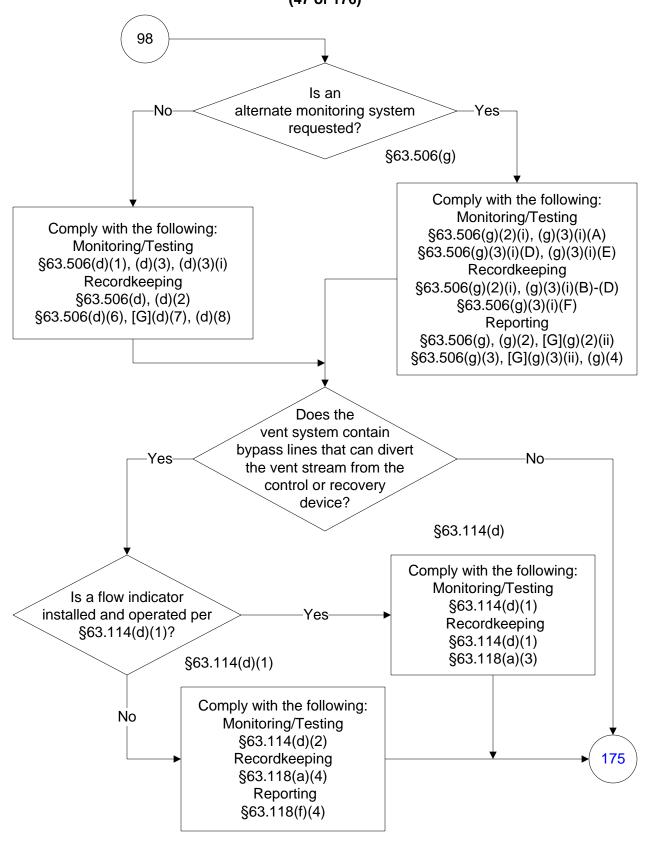
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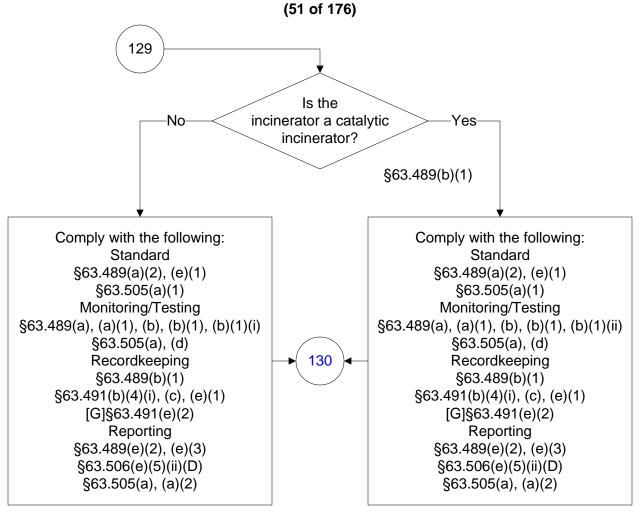


40 CFR Part 63, Subpart U (48 of 176) Comply with the following: Standard Is the §63.486(a) batch front-end process 125 [G]§63.481(m) No: vent routing to a flare or §63.506(e)(1) control device? Reporting [G]§63.506(i) §63.488(a)(3) 142 141 Yes 132 Is the No process vent a halogenated batch front-end process vent? §63.487(a) Comply with the following: Standard Yes §63.487(a)(2) Monitoring/Testing [G]§63.488(h) Recordkeeping Is the No §63.491(b), (b)(1) vent using a combustion 131 device to comply with §63.491(b)(2),(e)(5) Reporting §63.487(a)(2)? §63.492(a), (a)(1) §63.487(c)(1) Yes Comply with the following: Is the vent Standard using a control device to §63.487(a)(2), (c)(1) reduce the halogen atom mass Monitoring/Testing emission rate to less than No [G]§63.488(h) 3750 kg/yr? [T][G]§63.490(d) 126 §63.487(c)(2) Recordkeeping §63.491(b), (b)(1) Yes §63.491(b)(2), (e)(5) Reporting Comply with the following: §63.492(a), (a)(1) Standard §63.487(c)(2) 127 Monitoring/Testing [T][G]§63.490(d)

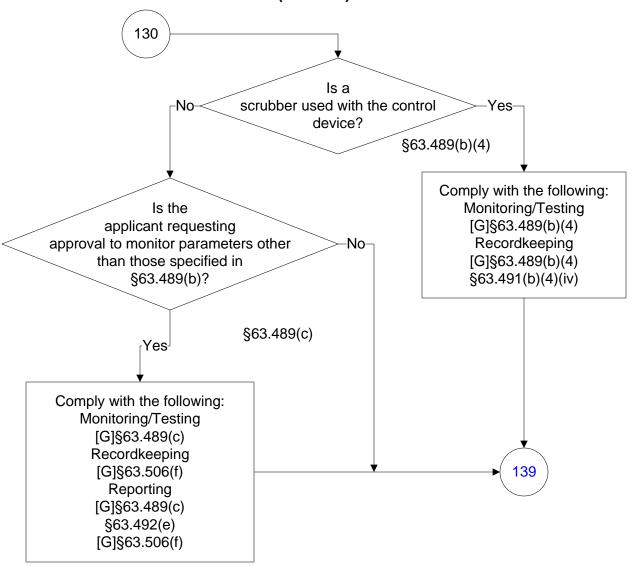
126 127 Comply with the following: Standard [G]§63.487(a)(1) §63.504(c) Monitoring/Testing Are the §63.11(b)(4), (b)(6), (b)(7)(i) non-halogenated §63.11(b)(7)(iii), (b)(8) emissions vented to a §63.489(a), (a)(1), (b), (b)(2) Yes→ flare for §63.504(c)(1)-(3) control? Recordkeeping [G]§63.491(b)(3), (c), (e)(1) §63.487(c)(2) §63.491(e)(1)(i), [G](e)(2) No §63.491(e)(5) Reporting §63.506(e)(5)(ii)(D) 131 138 Is the Comply with the following: combustion device Standard Yes a boiler or process §63.487(d) heater? §63.487(d) 128 No-Does the incinerator meet any of the No Yes criteria in §63.490(b)(3) or (5)? §63.490(c) Comply with the following: Monitoring/Testing [T]§63.490(c), [T][G](c)(1) [T][G]§63.490(c)(2), [G](d) §63.505(b)(3), [G](b)(3)(i) 129 §63.505(b)(3)(ii), (c) Recordkeeping [G]§63.490(c)(2) Reporting §63.505(b)(3)(iii)

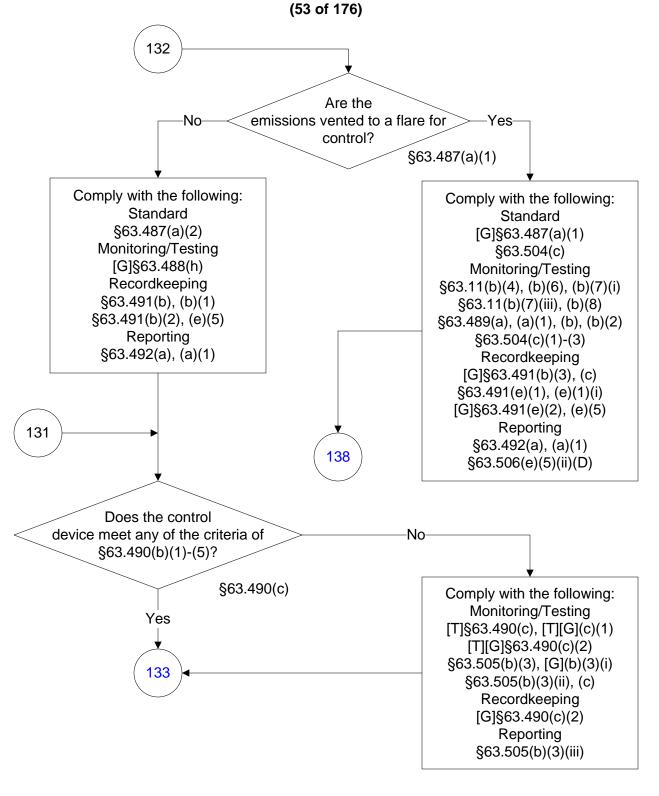
40 CFR Part 63, Subpart U (50 of 176)

128 Comply with the following: Monitoring/Testing [T]§63.490(c), [T][G](c)(1) [T][G]§63.490(c)(2) Does the boiler or §63.505(b)(3), [G](b)(3)(i) process heater meet any of the criteria No-▶ §63.505(b)(3)(ii), (c) in §63.490(b)(1)-(4)? Recordkeeping [G]§63.490(c)(2) §63.490(c) Reporting §63.505(b)(3)(iii) Yes Is the device a boiler or process heater 130 Comply with the following: rated < 44MW? Standard §63.489(a)(2), (e)(1) §63.505(a)(1) §63.489(b)(3) Yes Monitoring/Testing §63.489(a), (a)(1), (b), (b)(3) [G]63.490(d) Is the vent §63.505(a), (d) introduced with or used as the Recordkeeping No primary fuel? §63.489(b)(3) §63.491(b)(4)(ii), (b)(4)(iii) §63.491(c), (e)(1) §63.489(b)(3) [G]§63.491(e)(2) Reporting §63.489(e)(2), (e)(3) Yes §63.505(a), (a)(2) §63.506(e)(5)(ii)(D) 130

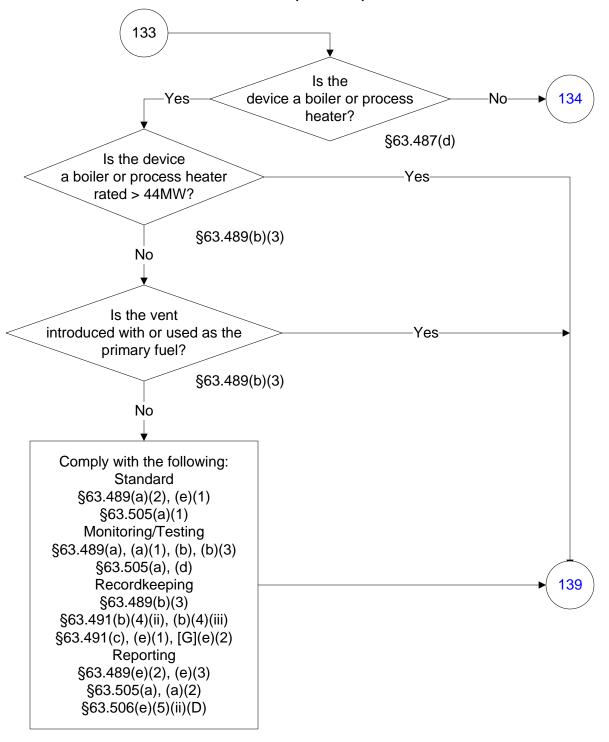


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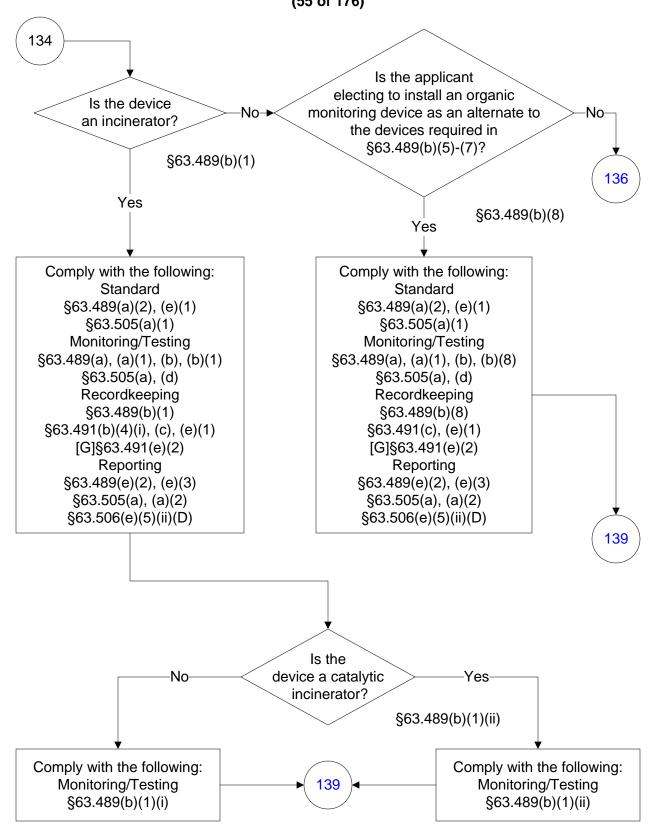




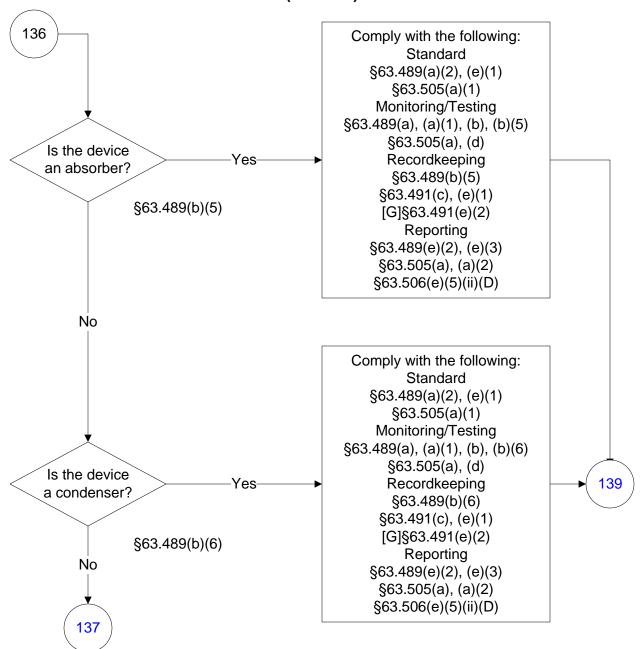
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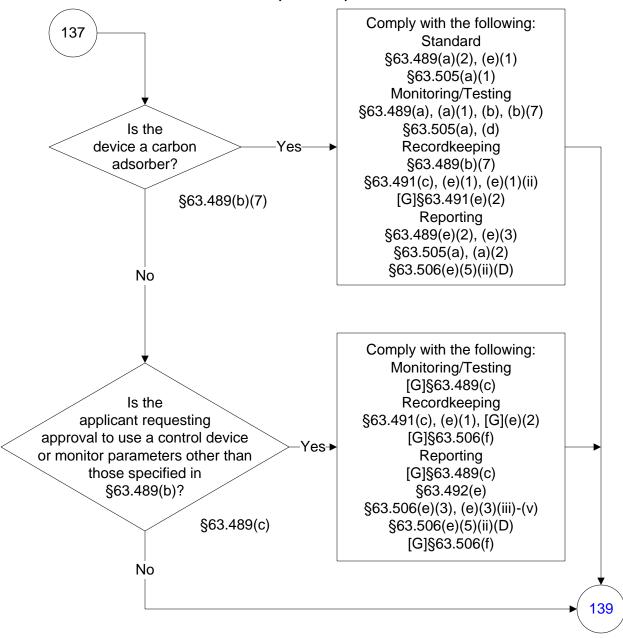
40 CFR Part 63, Subpart U (55 of 176)



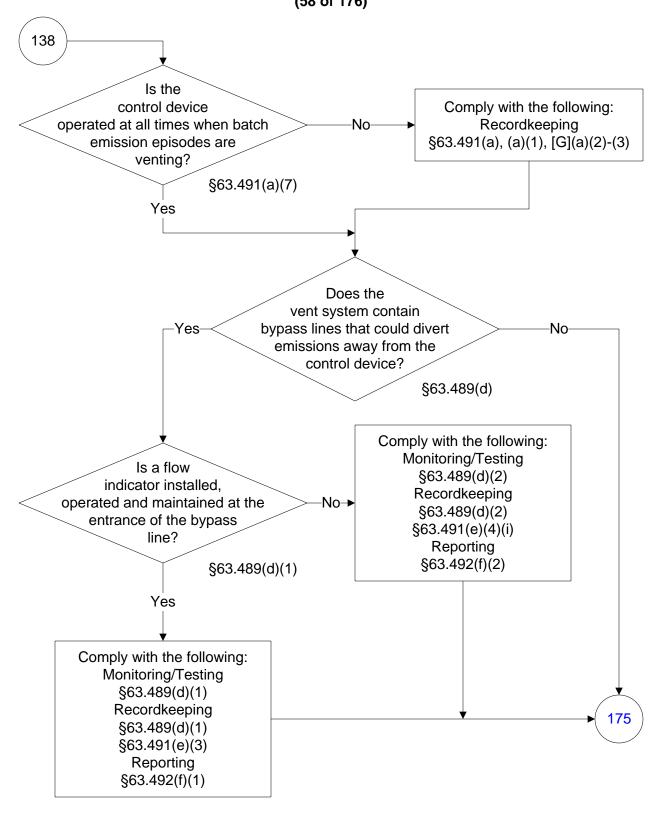
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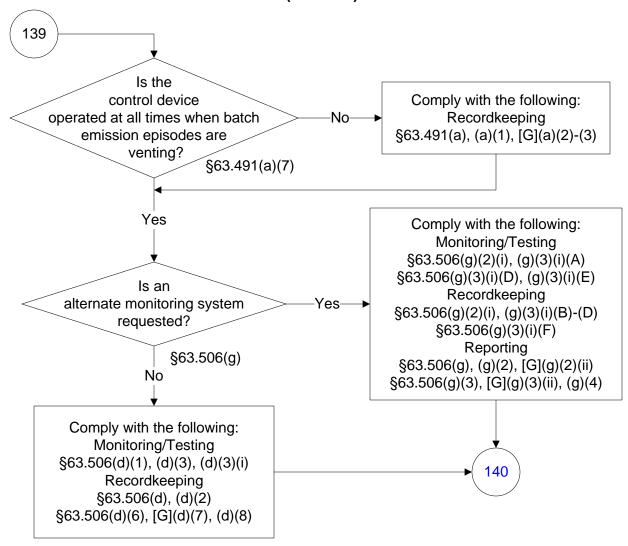
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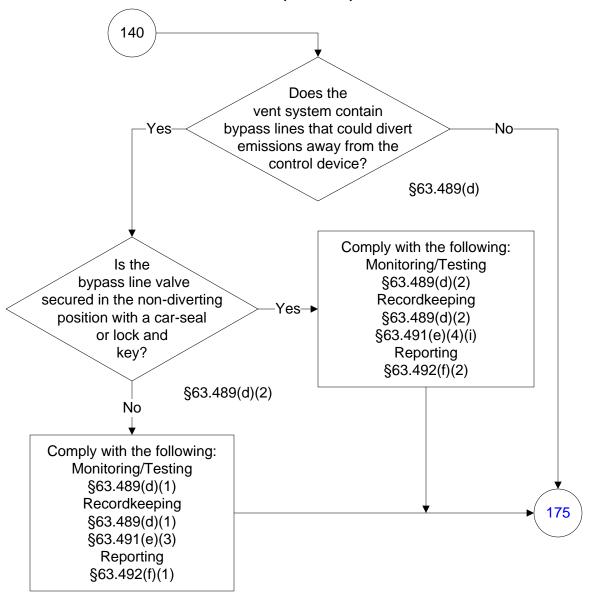
40 CFR Part 63, Subpart U (58 of 176)



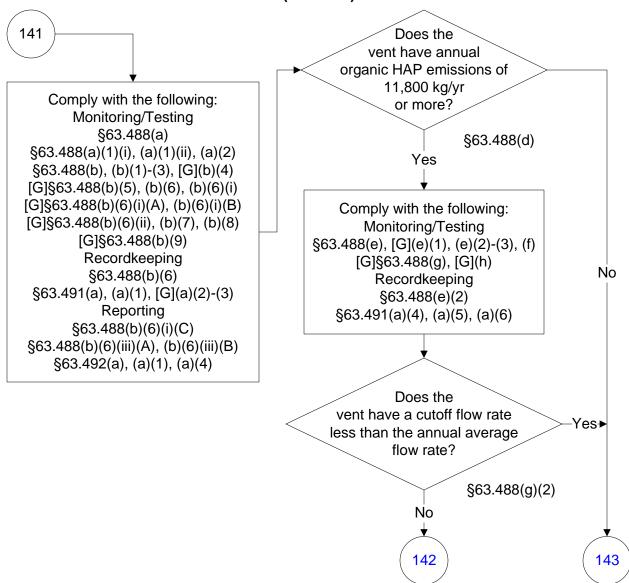
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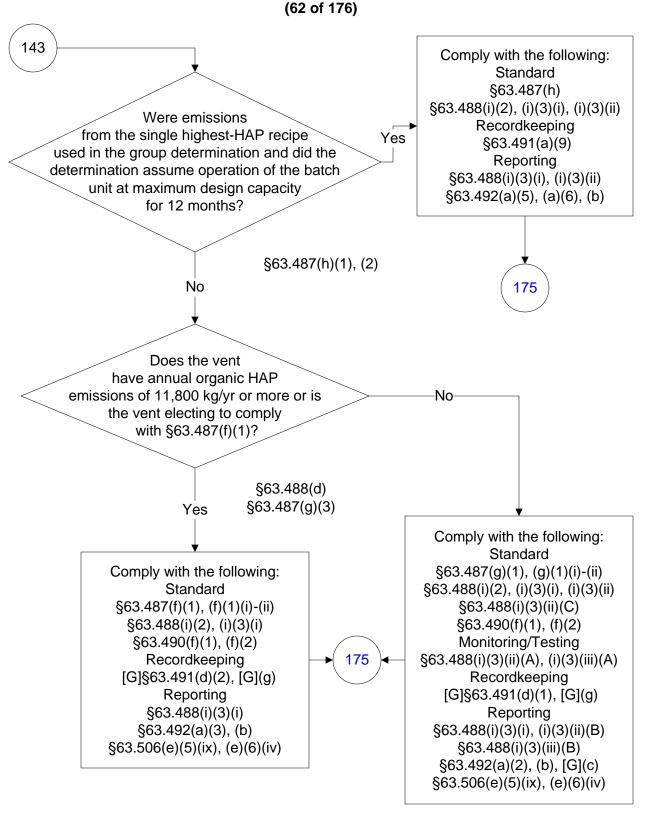


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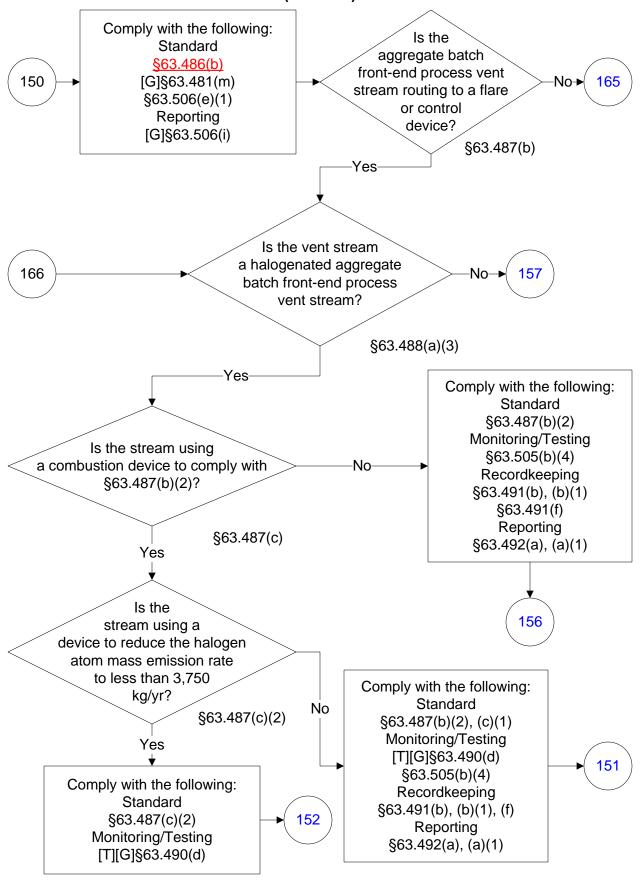


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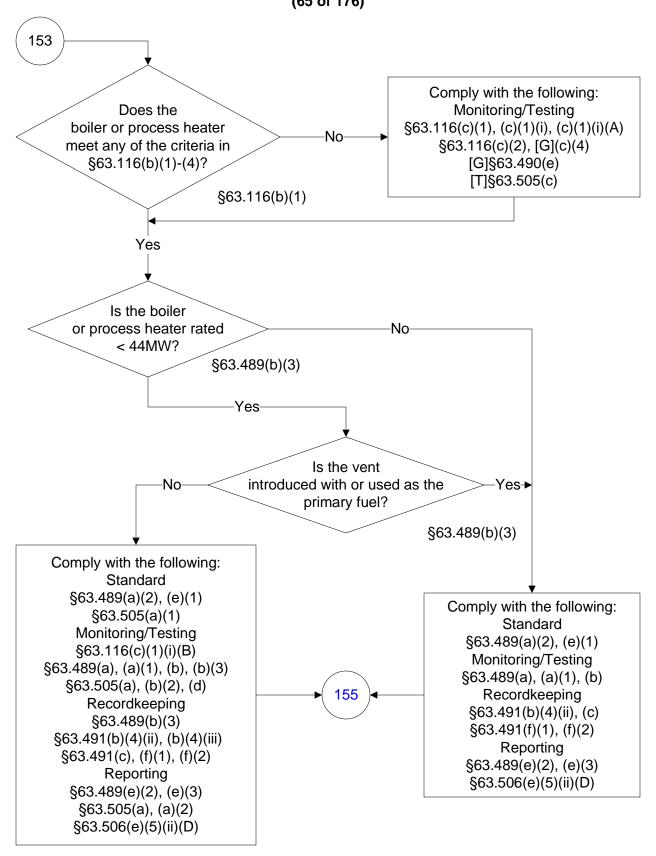




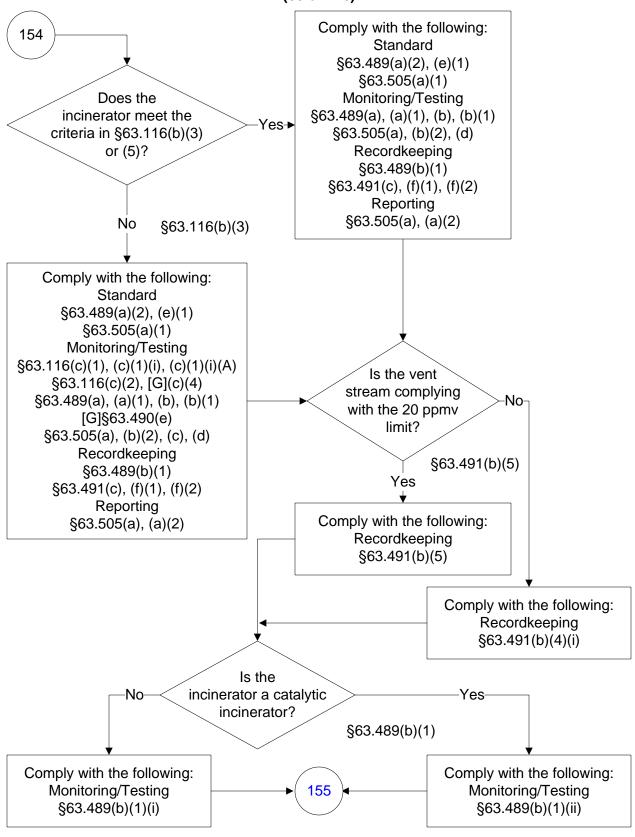
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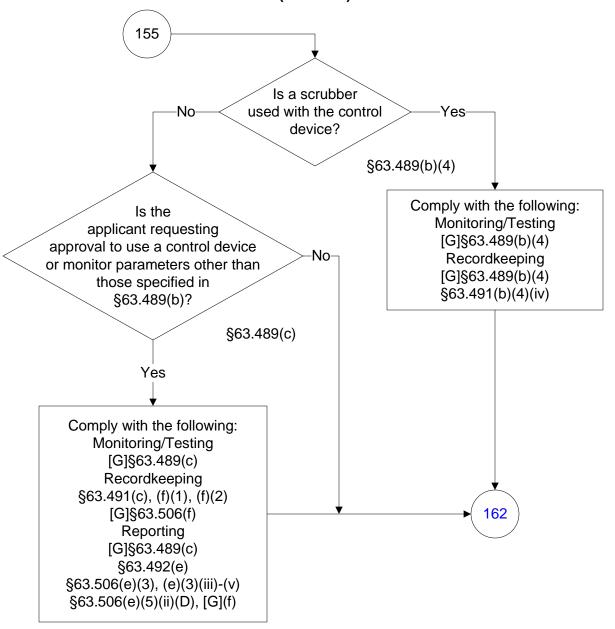
Comply with the following: 151 152 Standard [G]§63.487(b)(1) §63.504(c) Monitoring/Testing §63.11(b)(4), (b)(6), (b)(7)(i) Are the §63.11(b)(7)(iii), (b)(8) non-halogenated §63.489(a), (a)(1), (b), (b)(2) emissions vented to a Yes §63.504(c)(1)-(3) flare for §63.505(b)(4) control? Recordkeeping [G]§63.491(b)(3), (c) §63.487(c)(2) §63.491(f), (f)(1)(i) Reporting No §63.492(a), (a)(1) §63.506(e)(5)(ii)(D) 156 Is the Comply with the following: combustion device a Standard Yes boiler or process §63.487(d) heater? §63.487(d) No 154 153

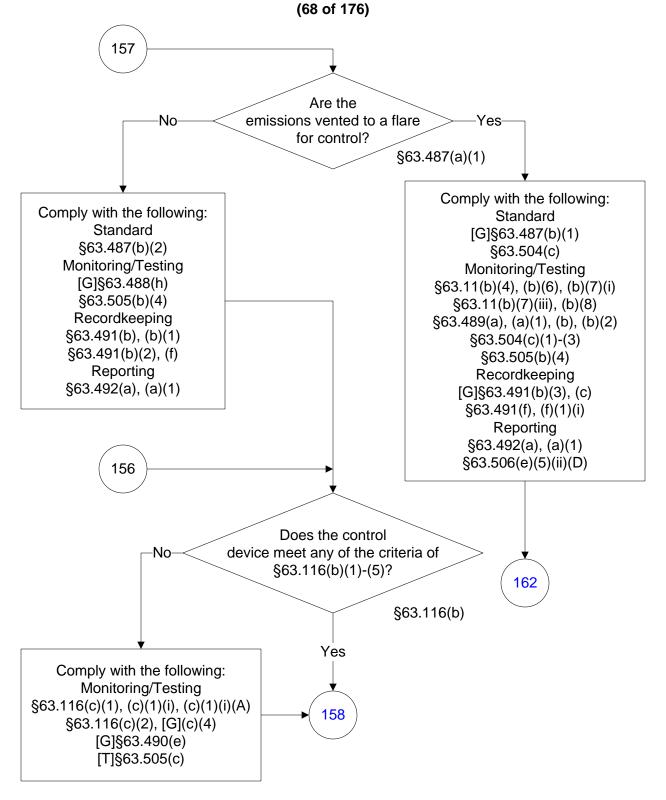


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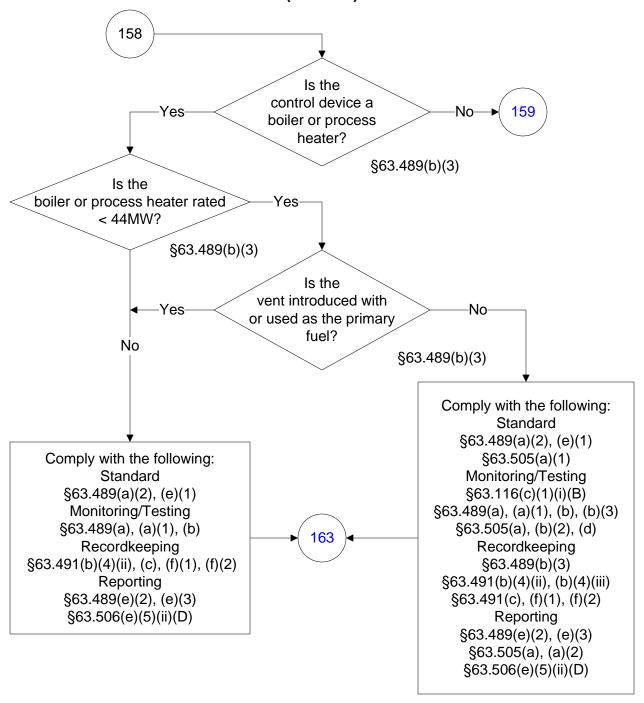


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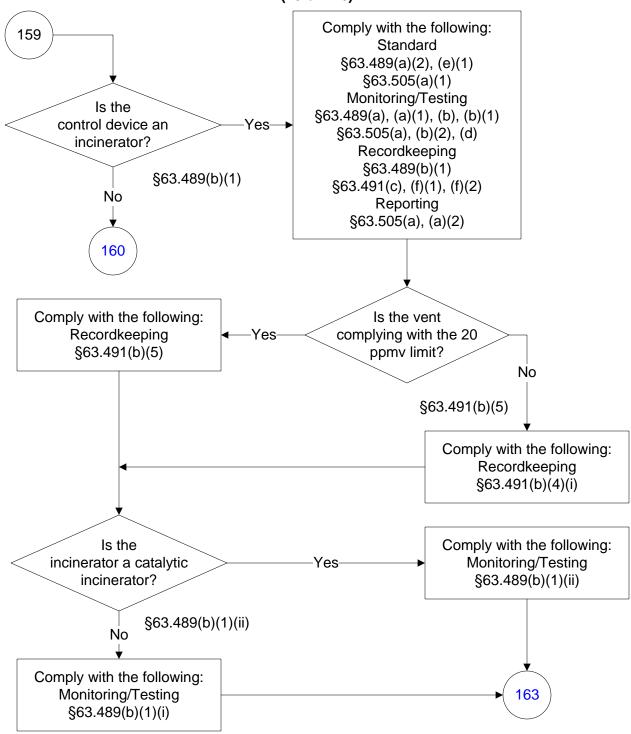




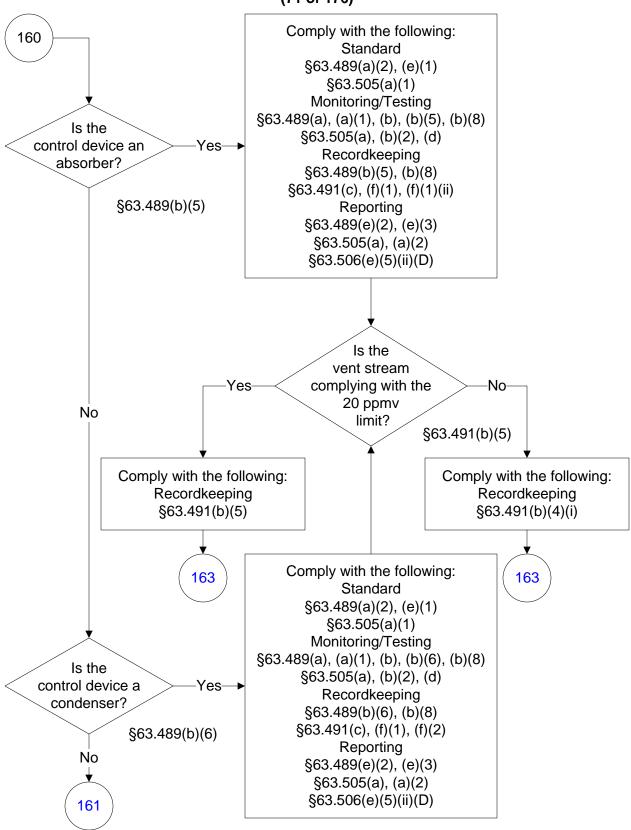
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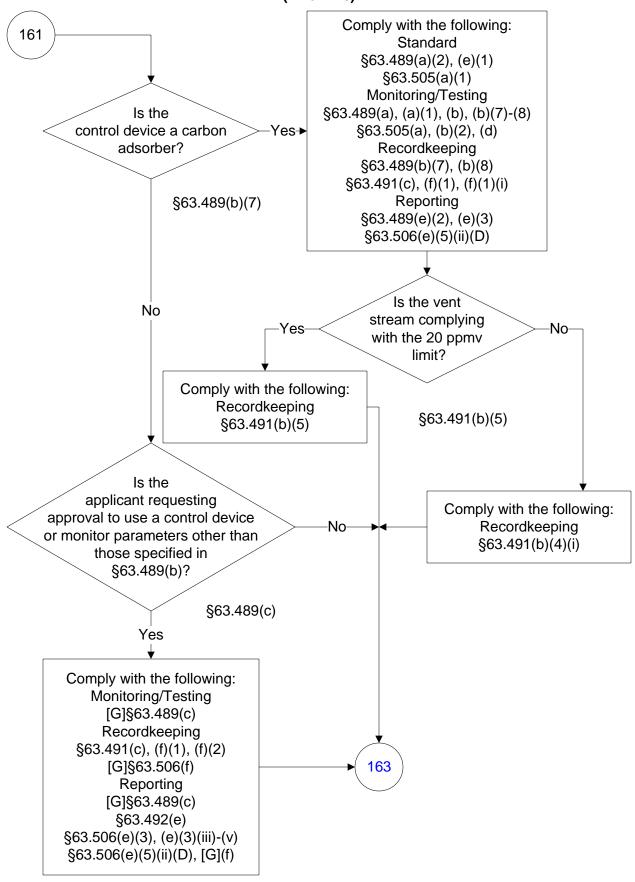
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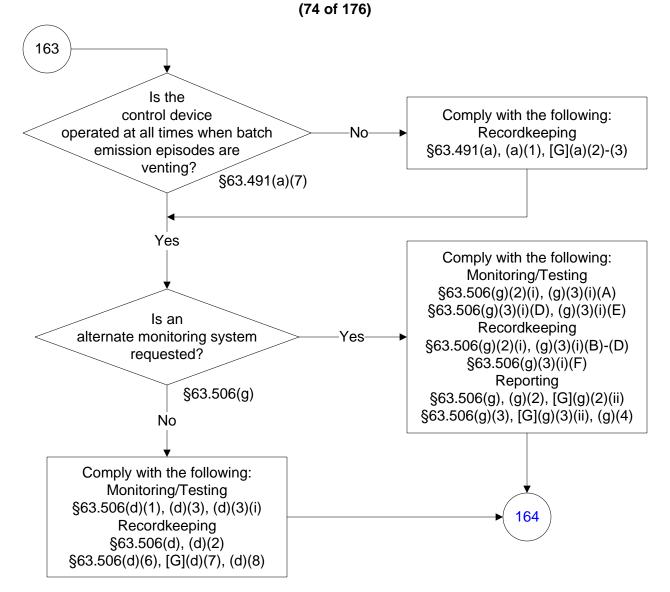
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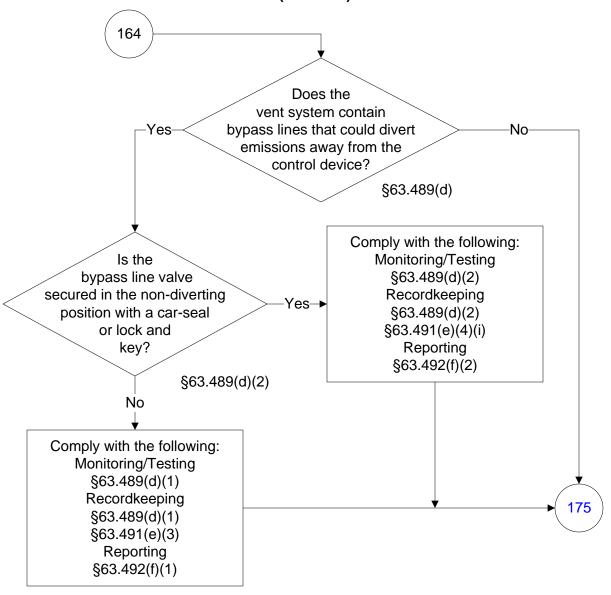
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162 Is the control device Comply with the following: operated at all times when batch Recordkeeping emission episodes are §63.491(a), (a)(1), [G](a)(2)-(3) venting? §63.491(a)(7) Yes Does the vent system contain Yes bypass lines that could divert Noemissions away from the control device? §63.489(d) Comply with the following: Monitoring/Testing Is the bypass line valve §63.489(d)(2) secured in the non-diverting Recordkeeping Yes→ position with a car-seal §63.489(d)(2) or lock and §63.491(e)(4)(i) key? Reporting §63.492(f)(2) §63.489(d)(2) No Comply with the following: Monitoring/Testing §63.489(d)(1) Recordkeeping §63.489(d)(1) §63.491(e)(3) Reporting §63.492(f)(1)

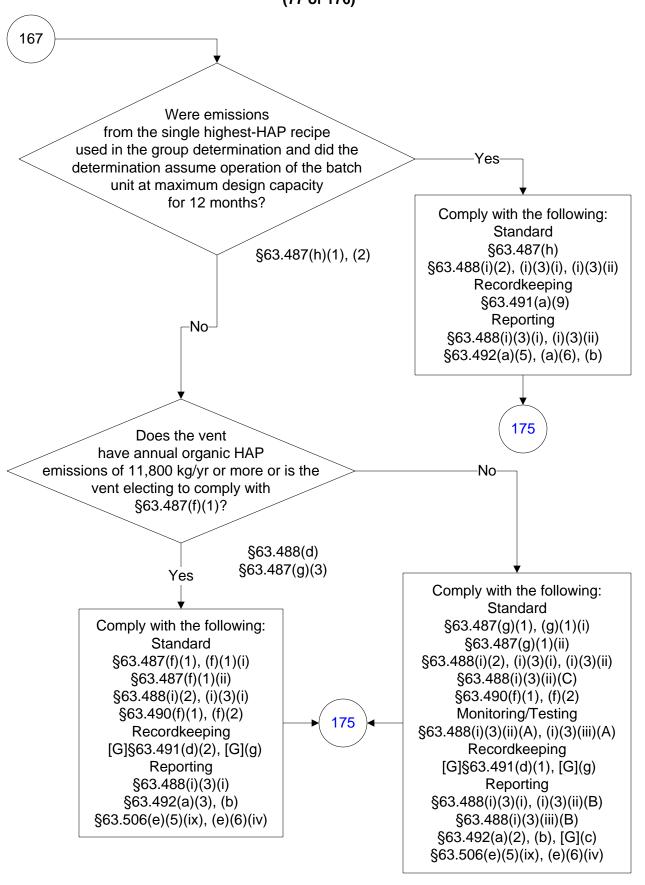


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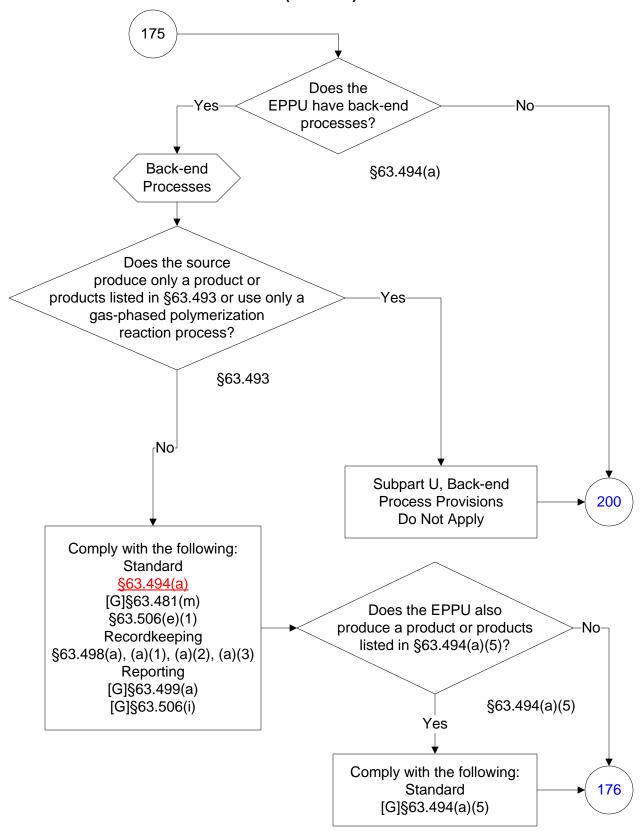


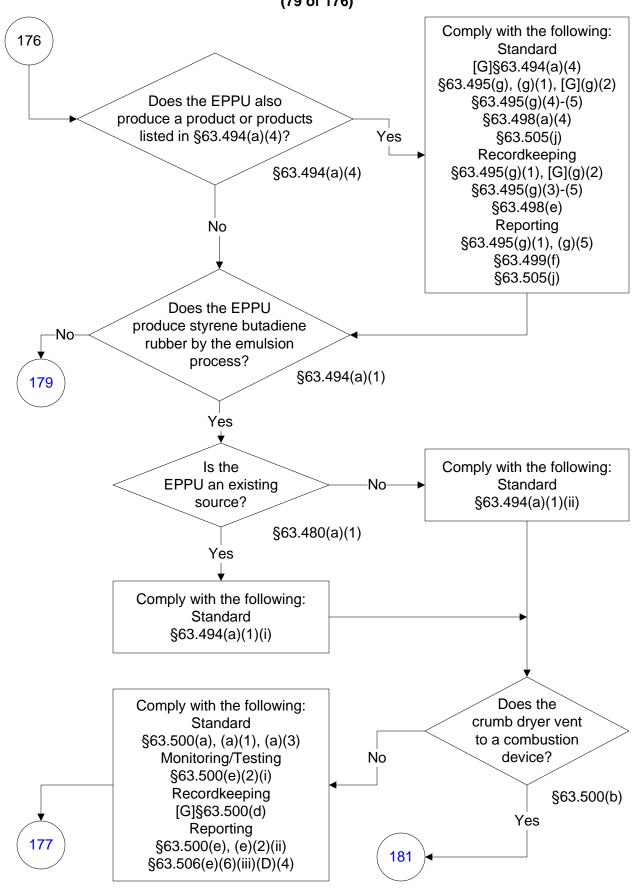
(76 of 176) Comply with the following: 165 Monitoring/Testing §63.488(a) §63.488(a)(1)(i), (a)(1)(ii), (a)(2) §63.488(b), (b)(1)-(3), [G](b)(4) [G]§63.488(b)(5), (b)(6), (b)(6)(i) Perform the Group determination for [G]§63.488(b)(6)(i)(A), (b)(6)(i)(B) each Batch Front-End Process Vent [G]§63.488(b)(6)(ii), (b)(7), (b)(8) included in the Aggregate Batch Front-[G]§63.488(b)(9) **End Vent Stream** Recordkeeping §63.488(b)(6) §63.491(a), (a)(1), [G](a)(2), [G](a)(3) Reporting §63.488(b)(6)(i)(C) §63.488(b)(6)(iii)(A), (b)(6)(iii)(B) §63.492(a), (a)(1), (a)(4) Comply with the following: Monitoring/Testing Does the §63.488(e), [G](e)(1), (e)(2)-(3), (f) vent have annual [G]§63.488(g), [G](h) organic HAP emissions of Yes Recordkeeping 11,800 kg/yr or §63.488(e)(2) more? §63.491(a)(4), (a)(5), (a)(6) §63.488(d) No Does the vent have a cutoff flow rate Yes 167 less than the annual average flow rate? §63.488(g)(2) No The Batch Front-End Process Vent stream is a Group 1 stream and the Aggregate Batch Front-End Process 166

Vent Stream must comply with the Group 1 requirements.

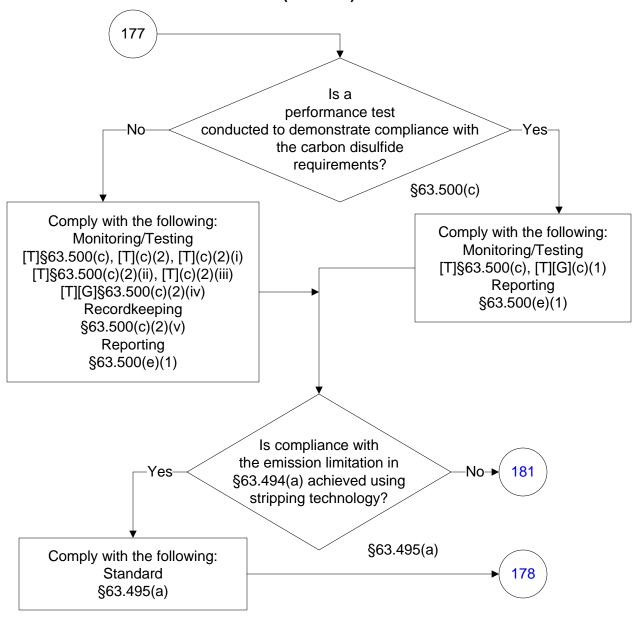


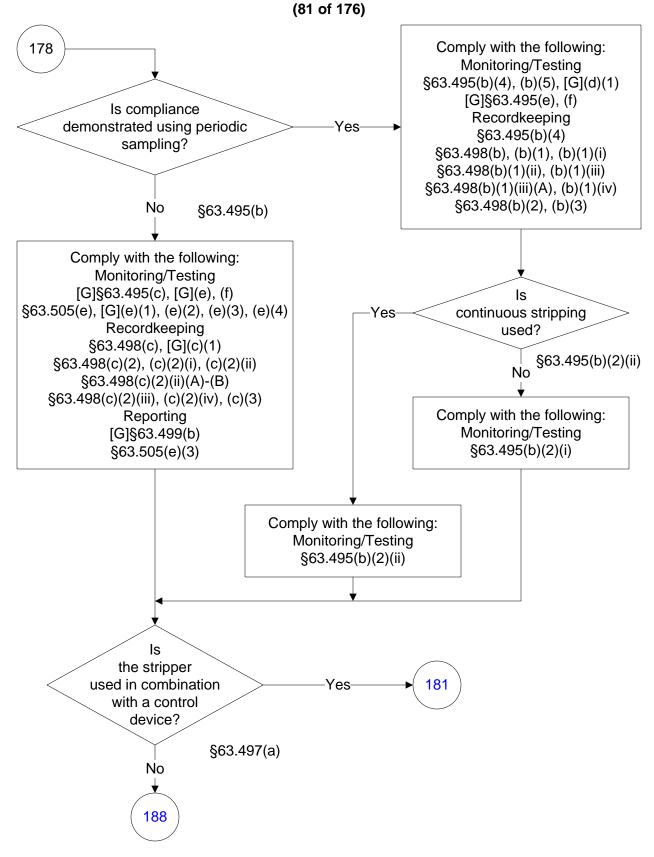
(78 of 176)



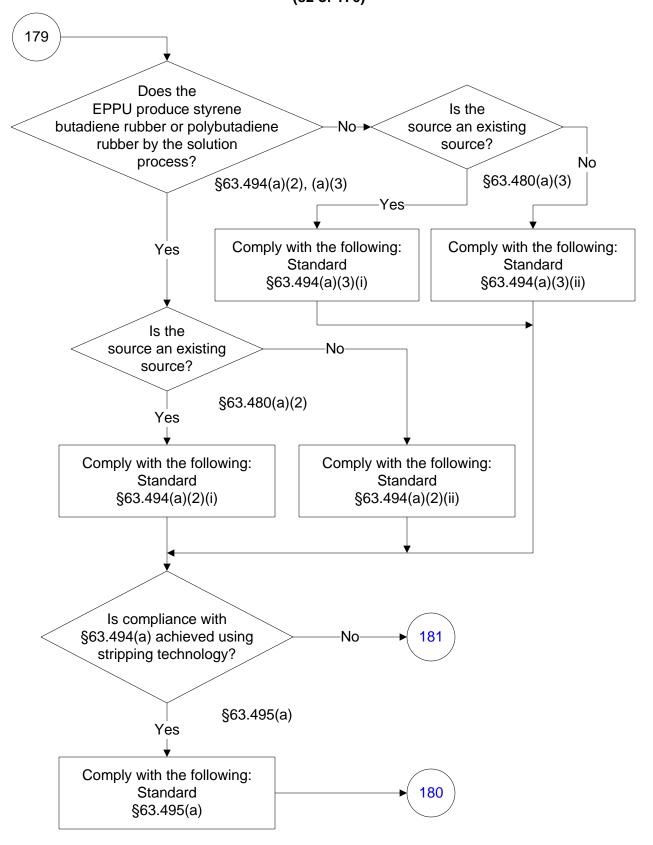


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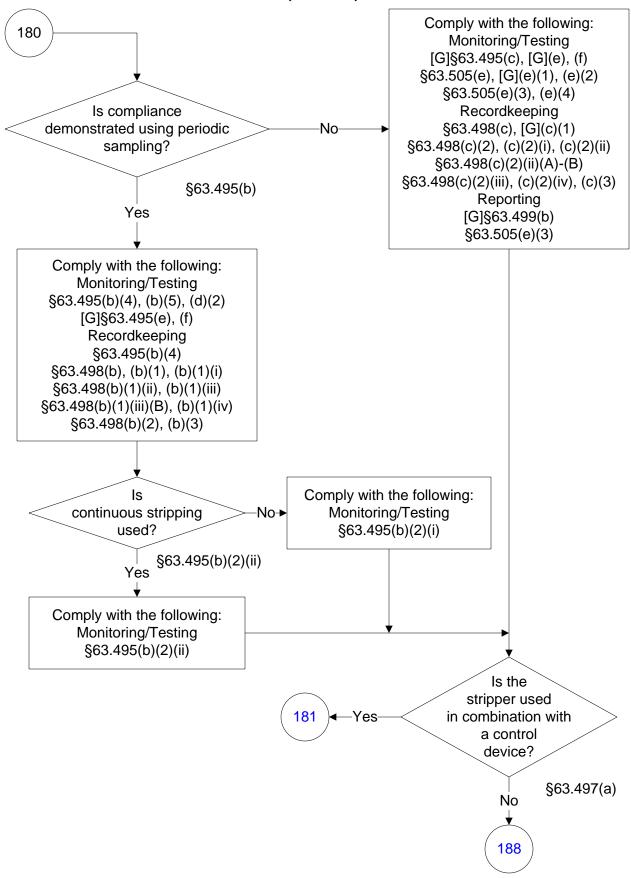




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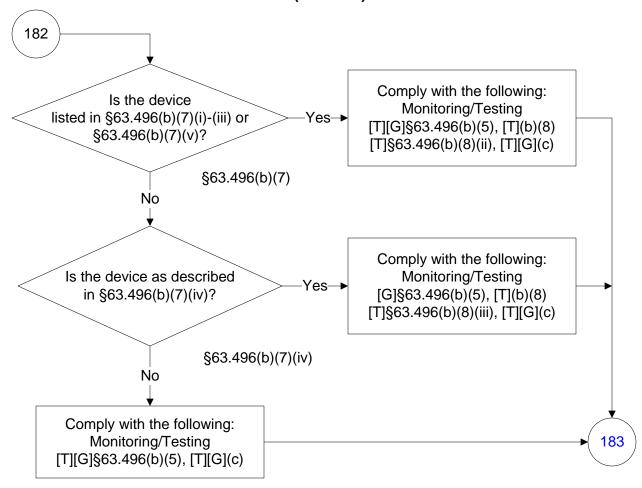


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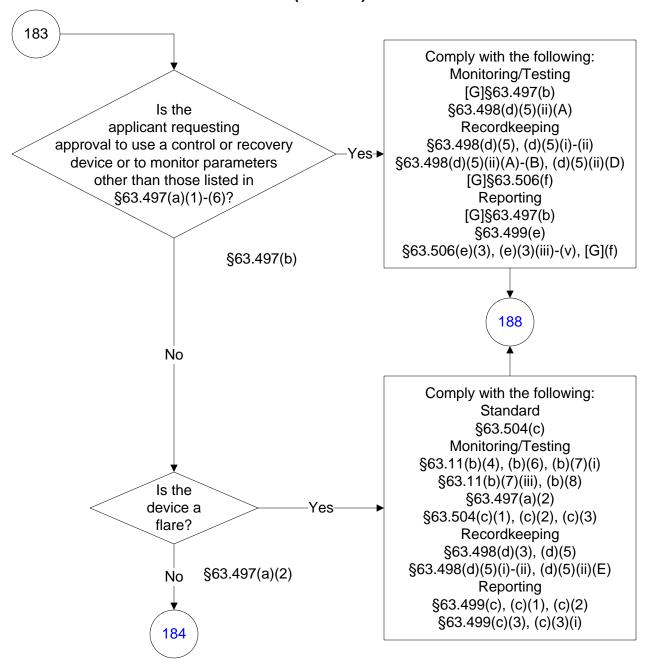


(84 of 176) Comply with the following: Standard §63.497(c) Monitoring/Testing [T]§63.496(b)(1), [T](b)(2), [T](b)(3), [T](d) Recordkeeping 181 §63.496(b)(4) §63.498(d), (d)(1) Reporting §63.497(c) [G]§63.499(d) §63.506(e)(7)(iii) Is the back-end process Yes No: continuous? §63.496(b)(1)(i) Comply with the following: Comply with the following: Monitoring/Testing Monitoring/Testing [T]§63.496(b)(1)(i) [T]§63.496(b)(1)(ii) Is the device a Comply with the following: boiler or process heater Monitoring/Testing of design capacity less than 44MW [T][G]§63.496(b)(6), [T](b)(8) Yes and the vent stream is introduced [T]§63.496(b)(8)(i), [T][G](c) with combustion air or as [T]§63.505(c) secondary fuel? §63.496(b)(6) No 182 186

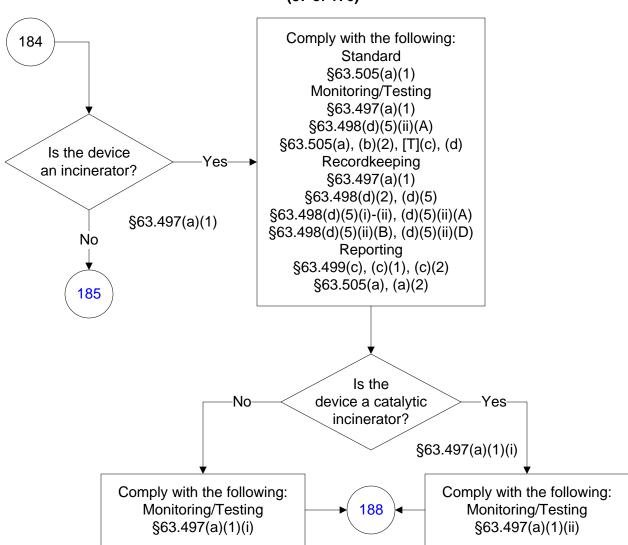
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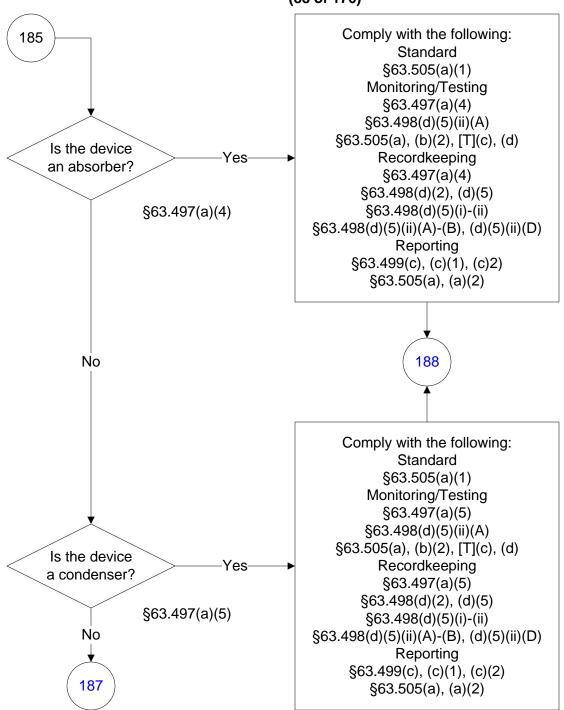
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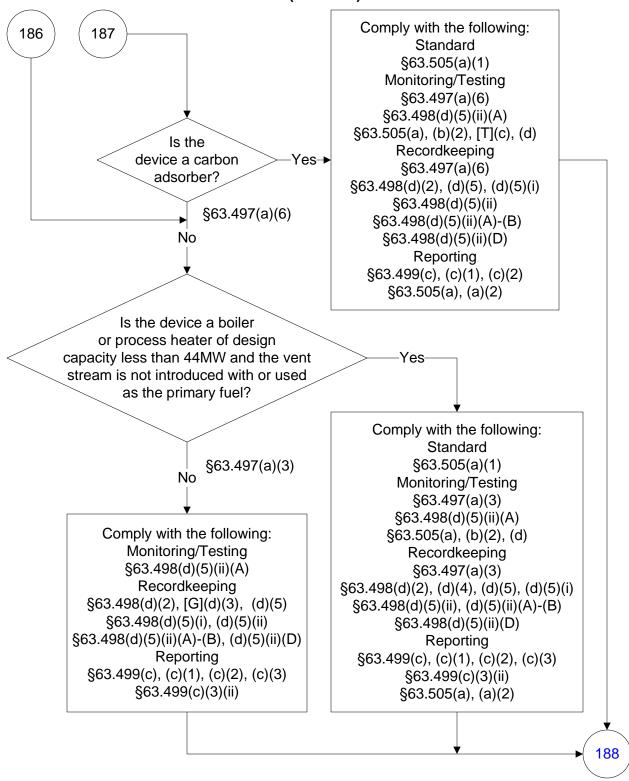
40 CFR Part 63, Subpart U (87 of 176)

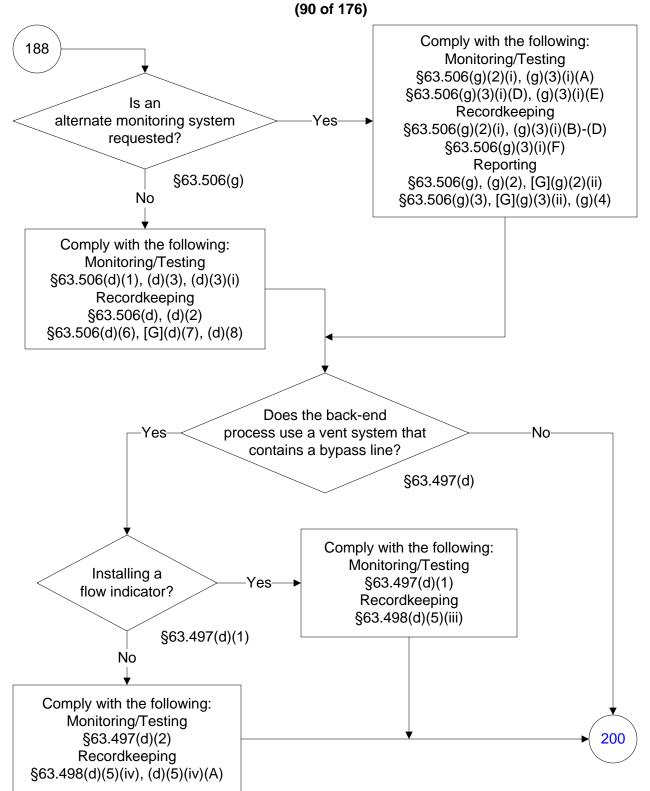


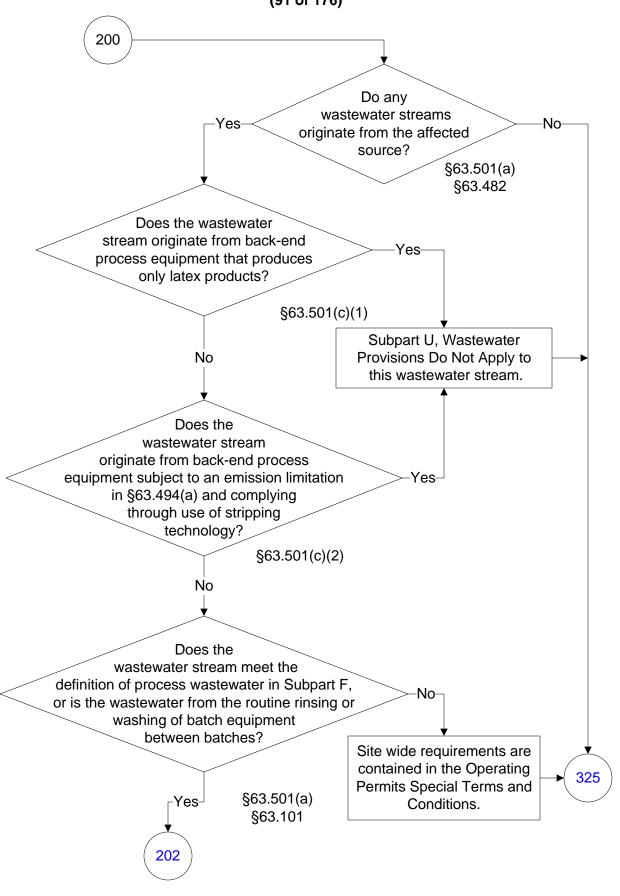
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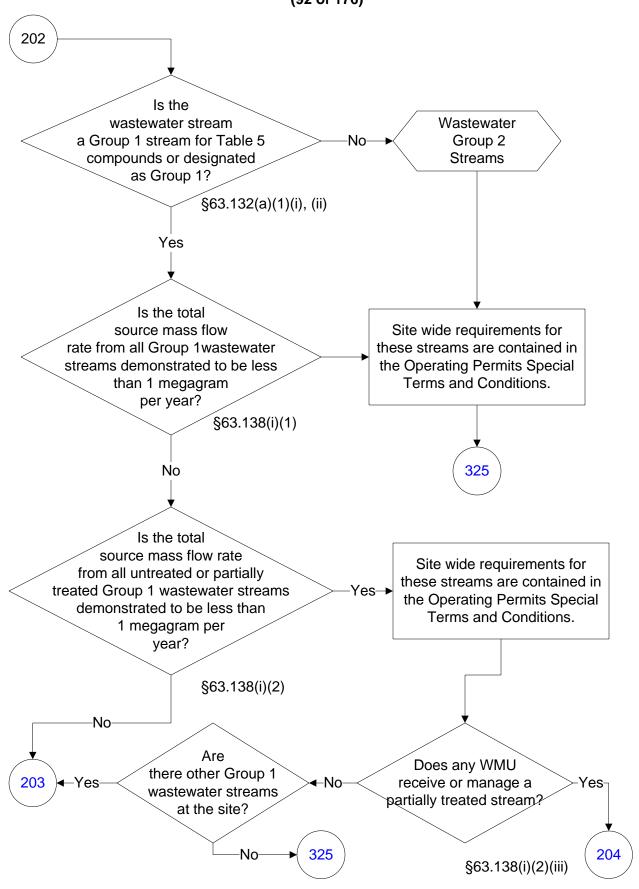


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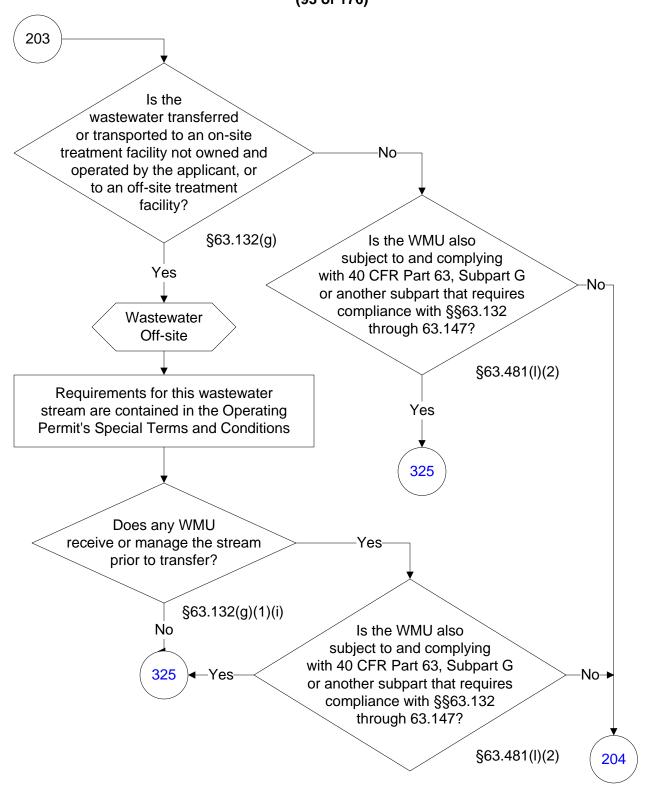




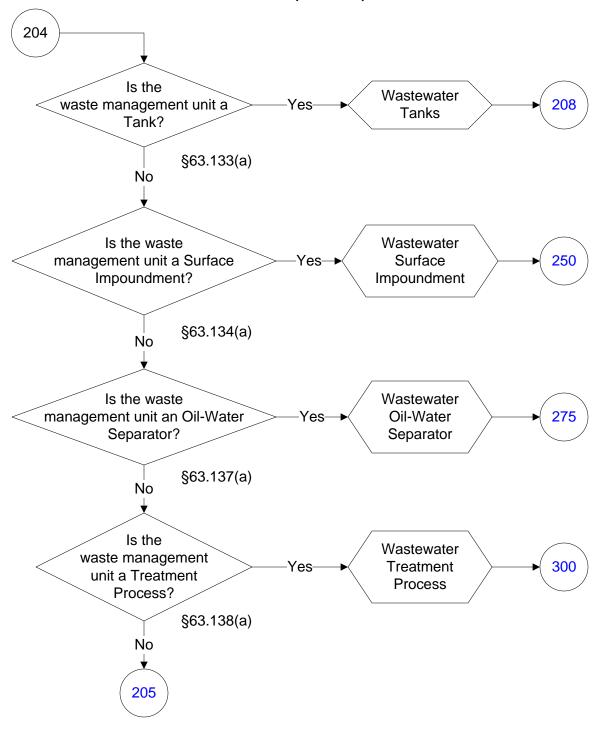




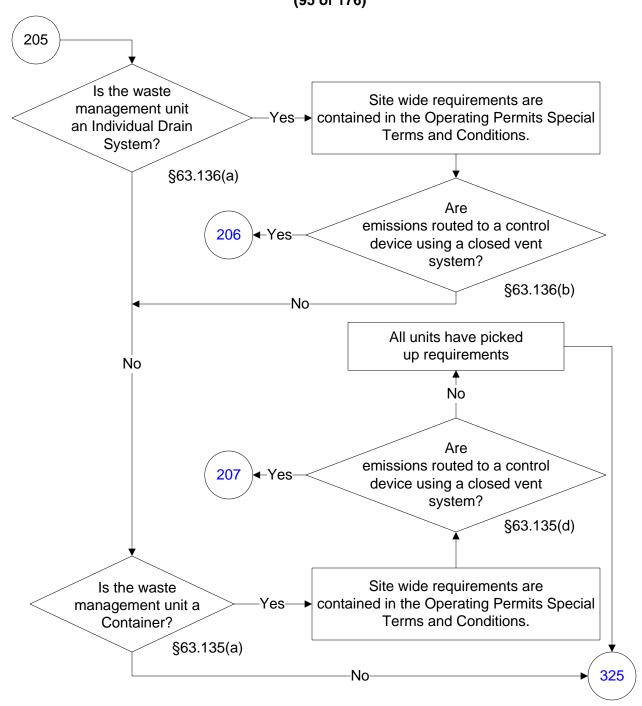
40 CFR Part 63, Subpart U (93 of 176)

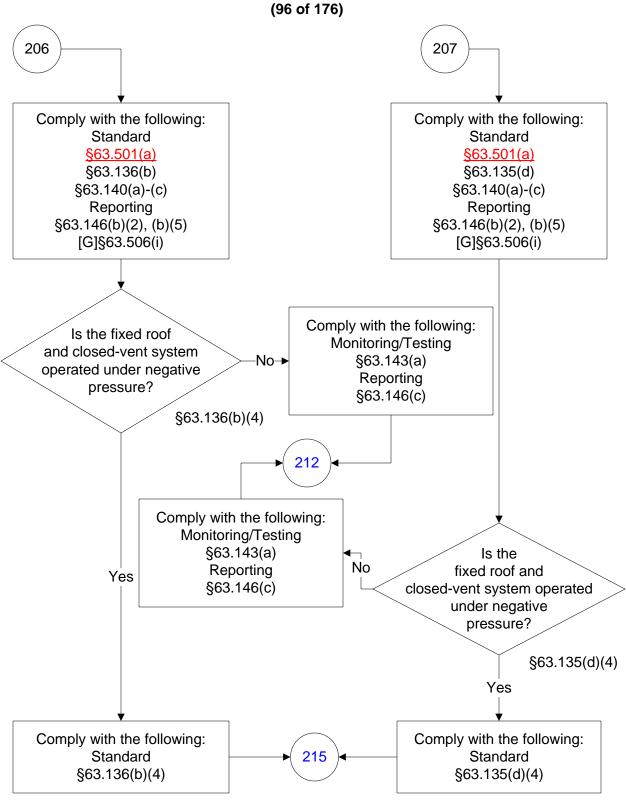


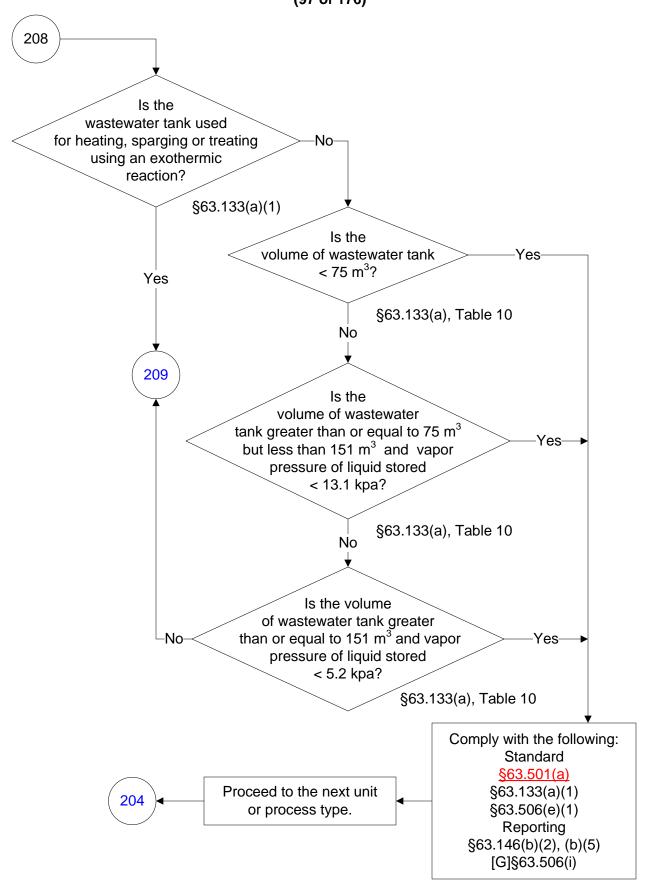
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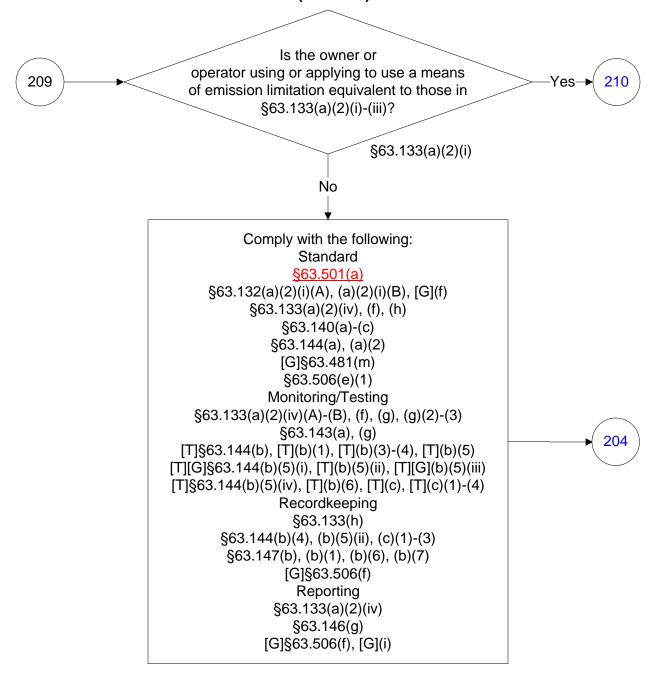
40 CFR Part 63, Subpart U (95 of 176)

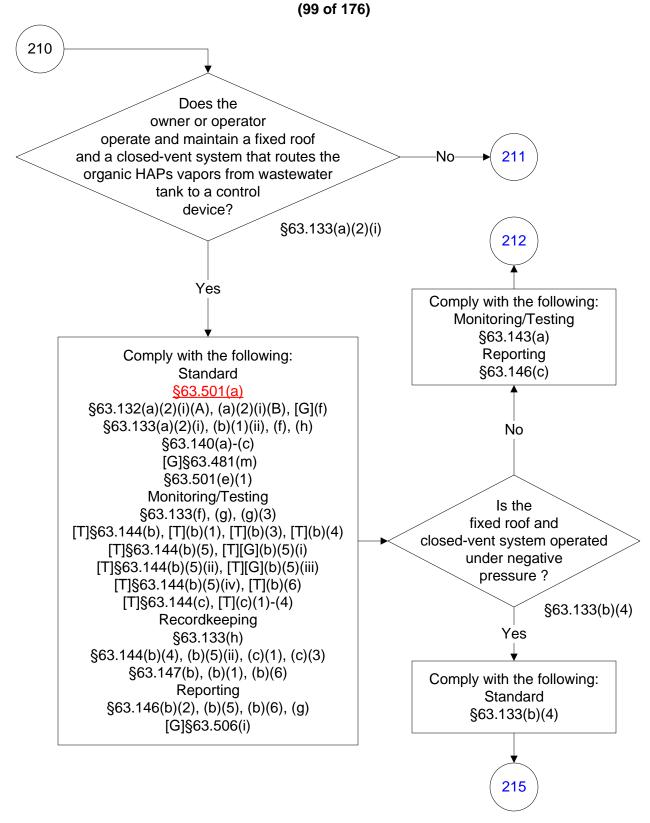




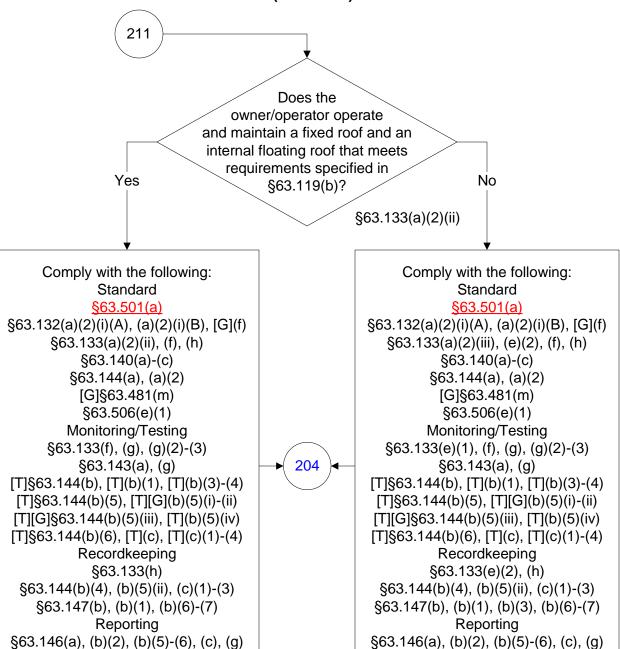


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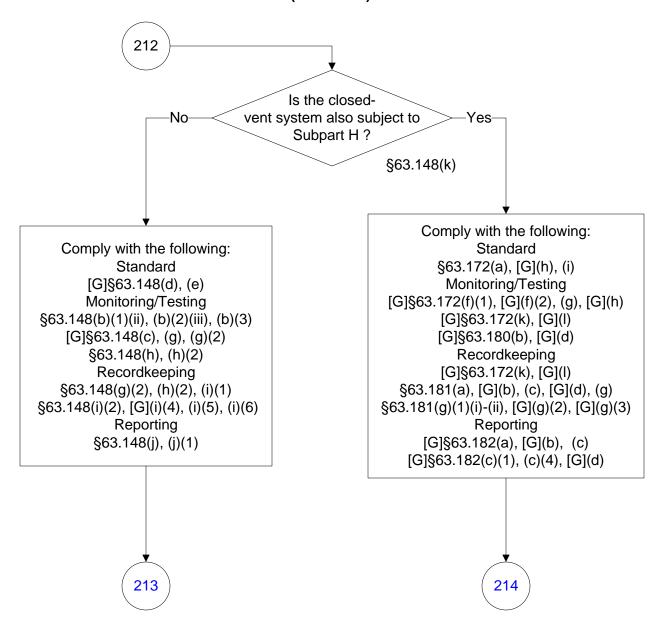
(100 of 176)



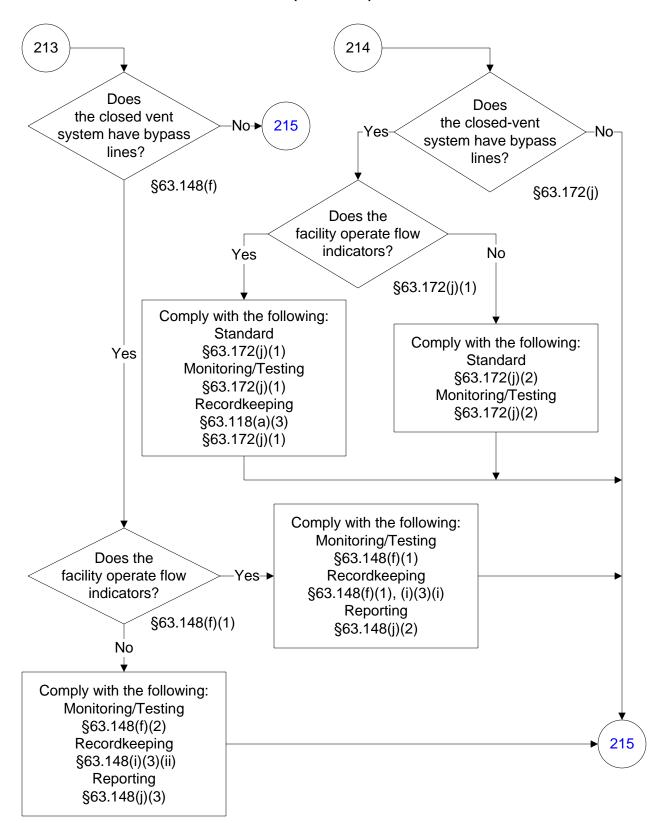
[G]§63.506(i)

[G]§63.506(i)

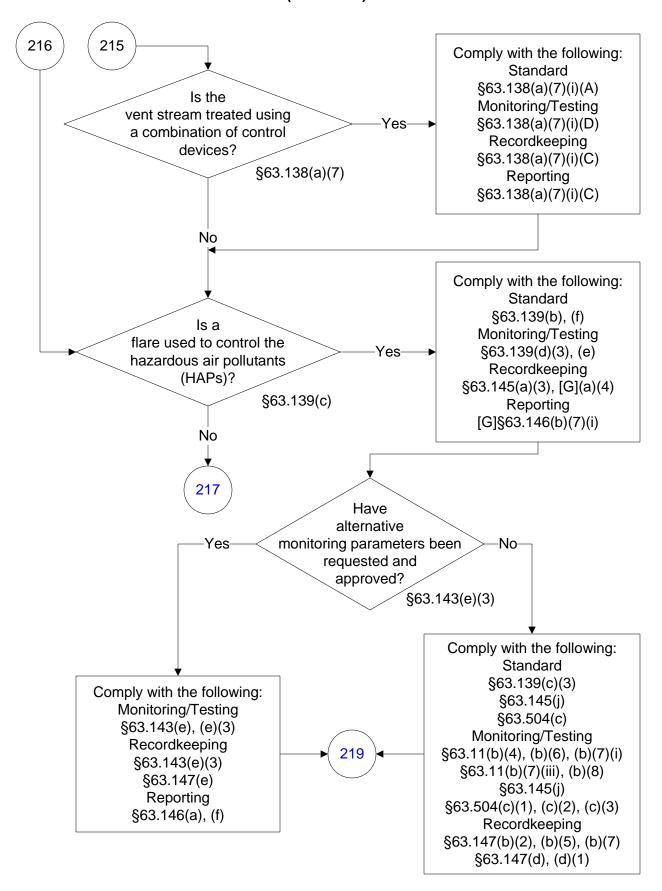
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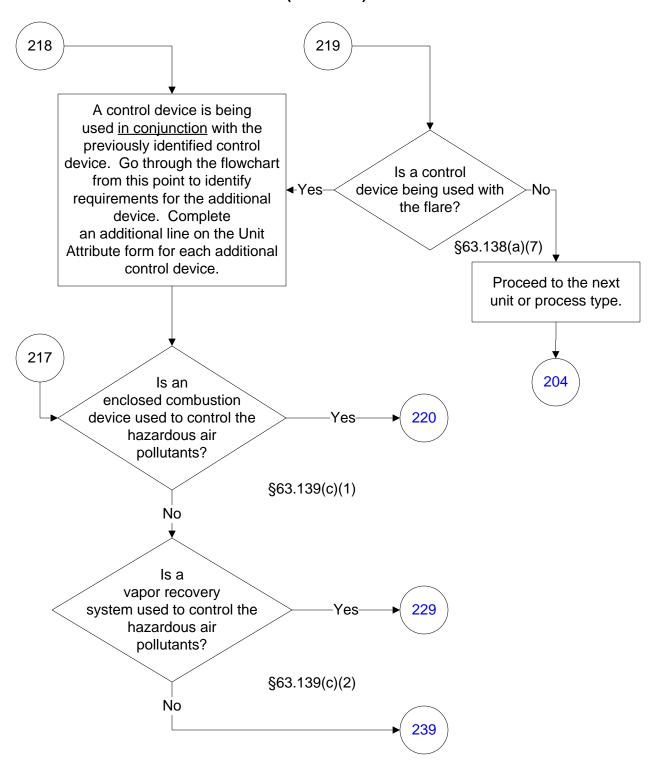
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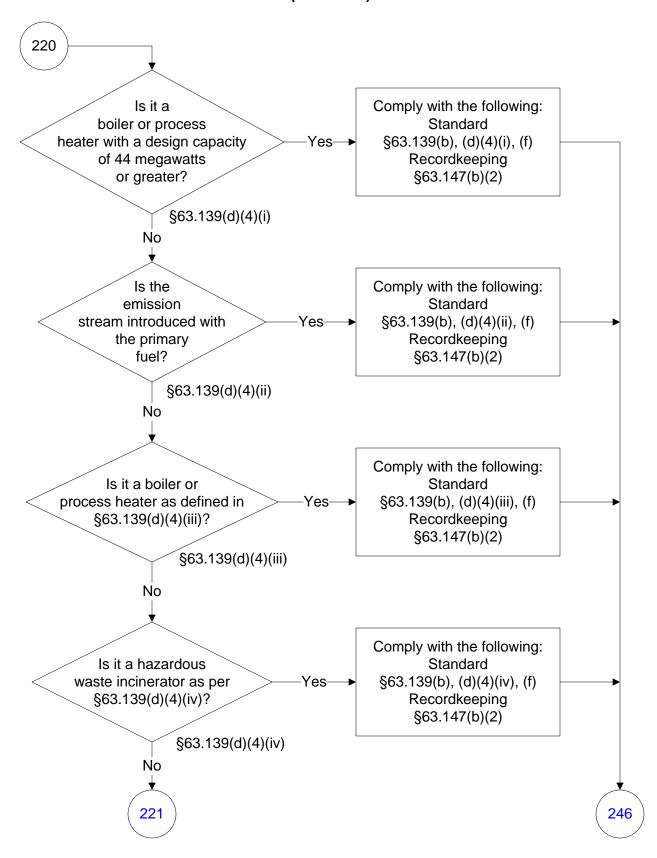
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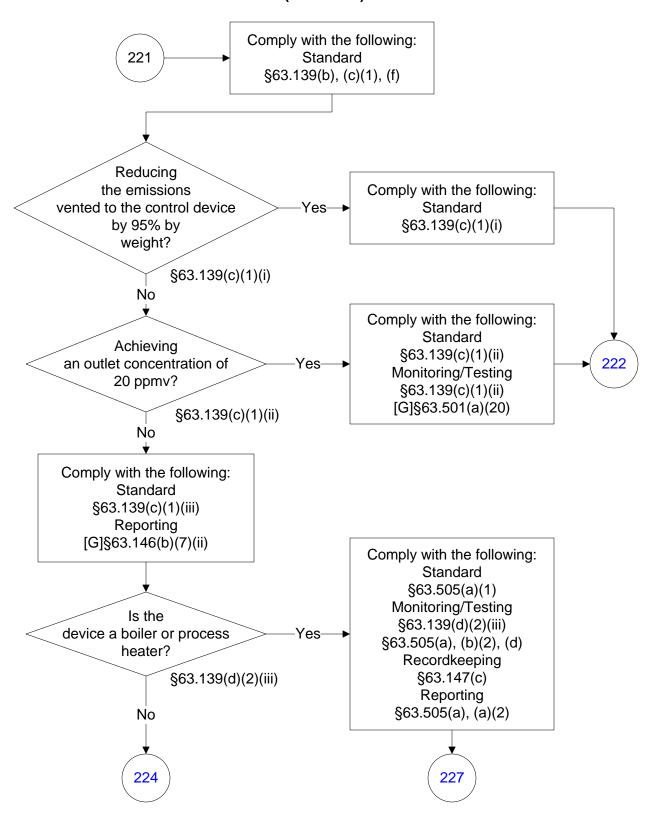
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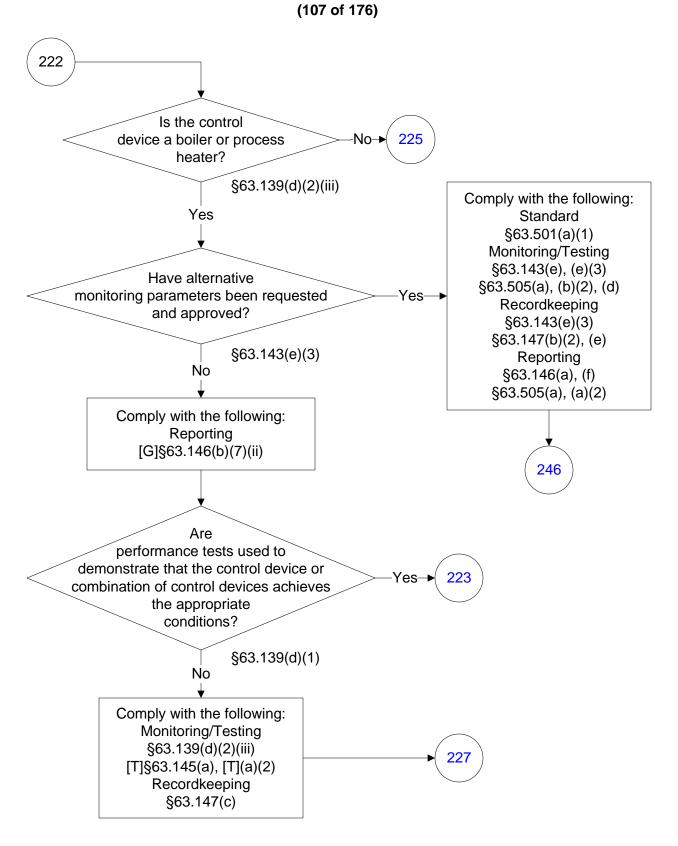


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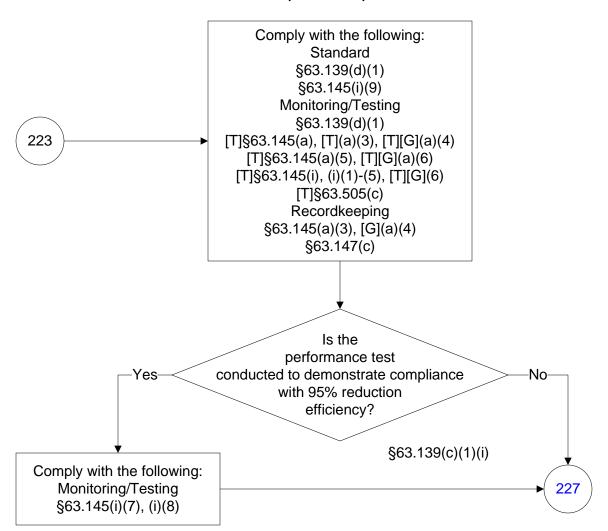


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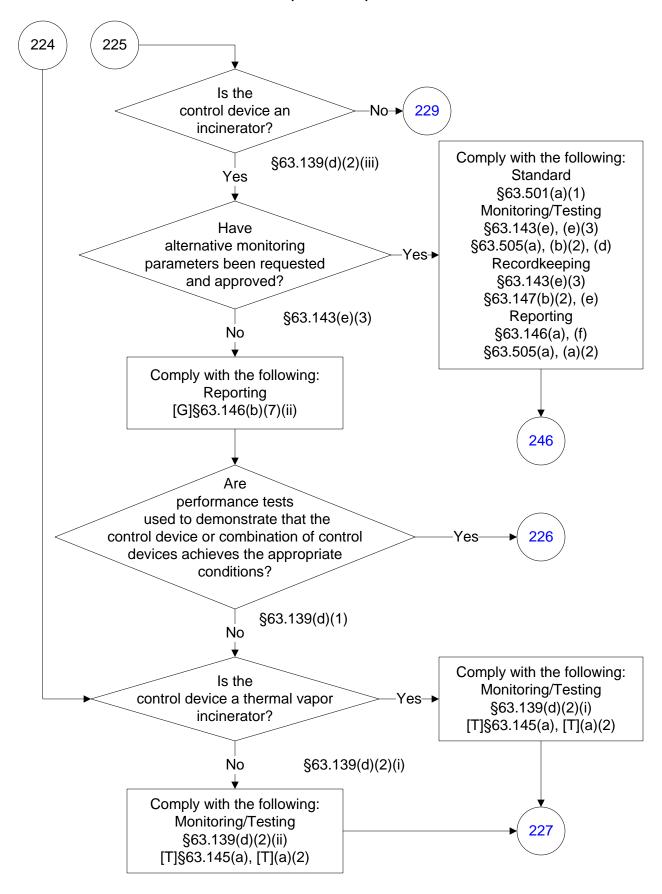




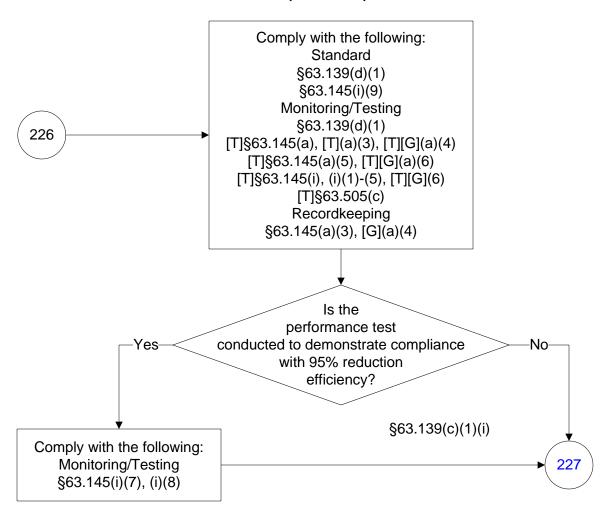
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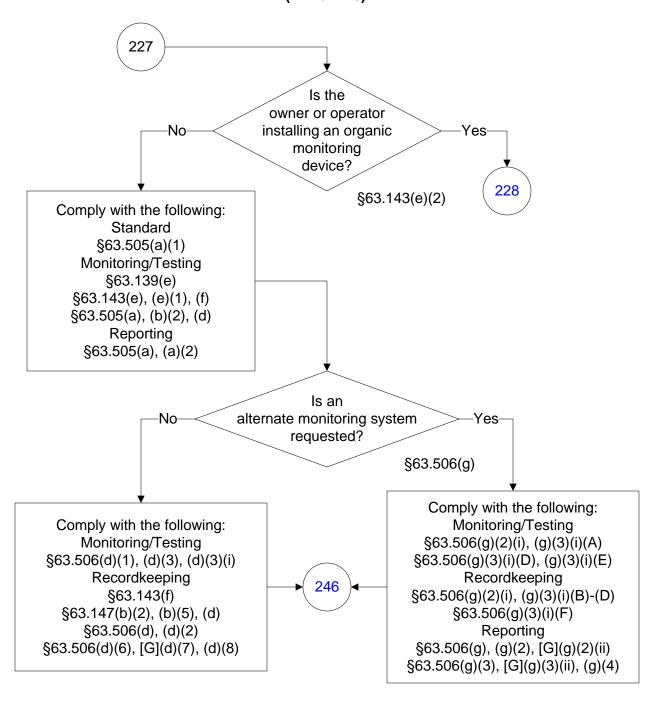
(109 of 176)



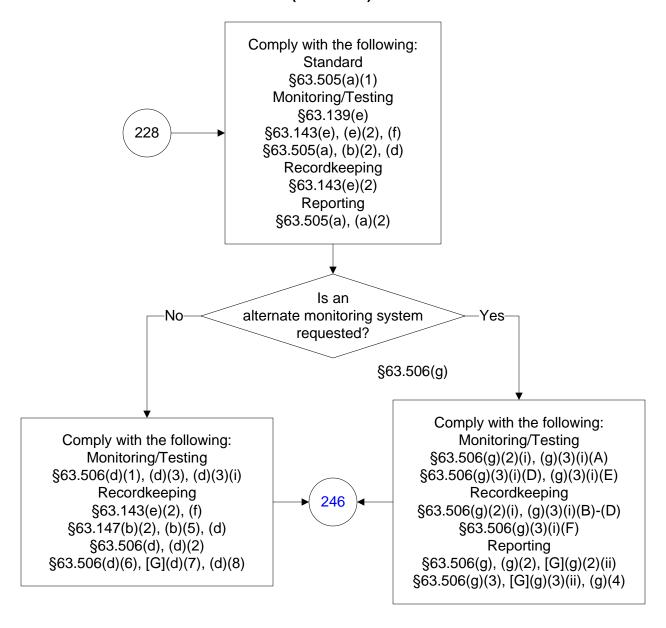
(110 of 176)



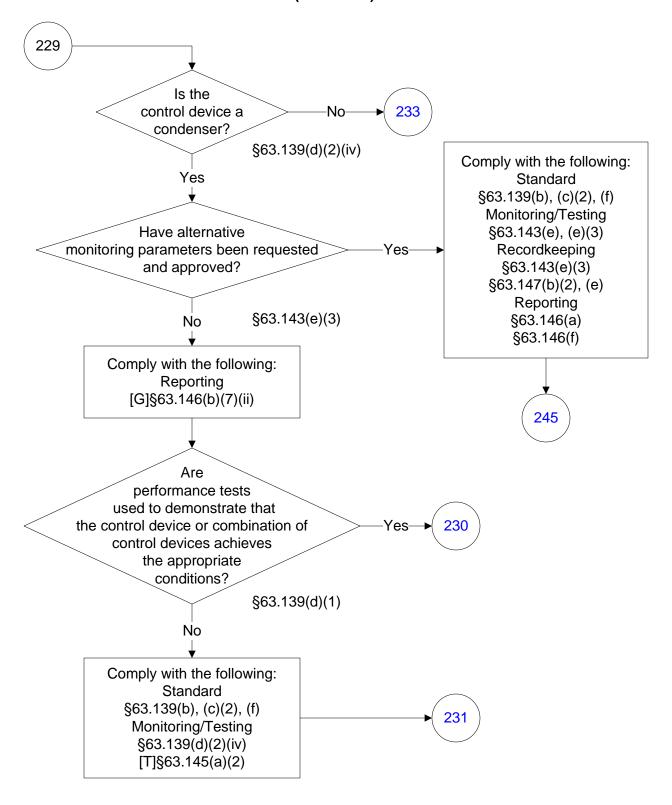
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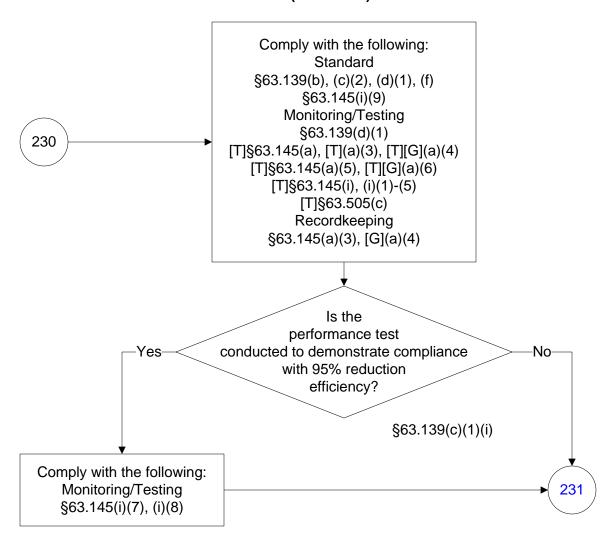
(112 of 176)



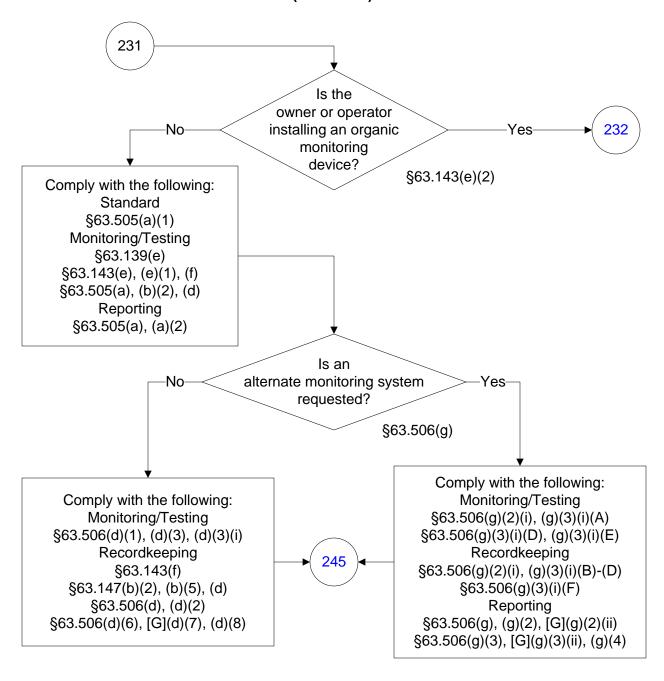
(113 of 176)



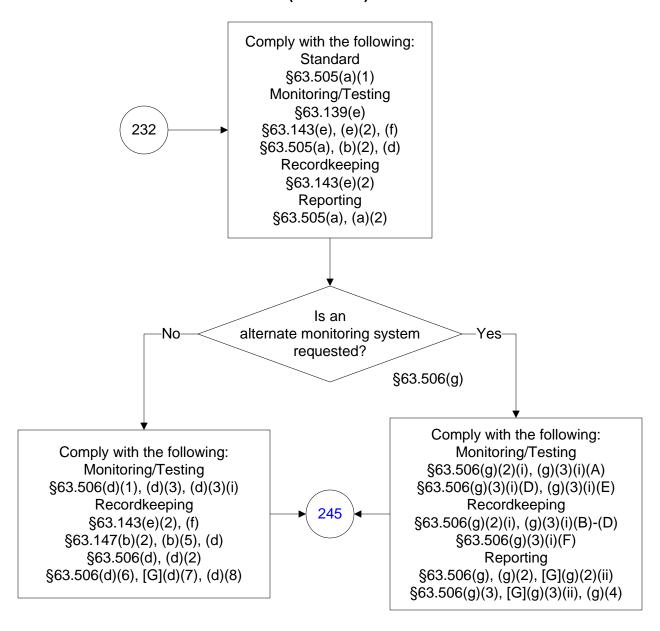
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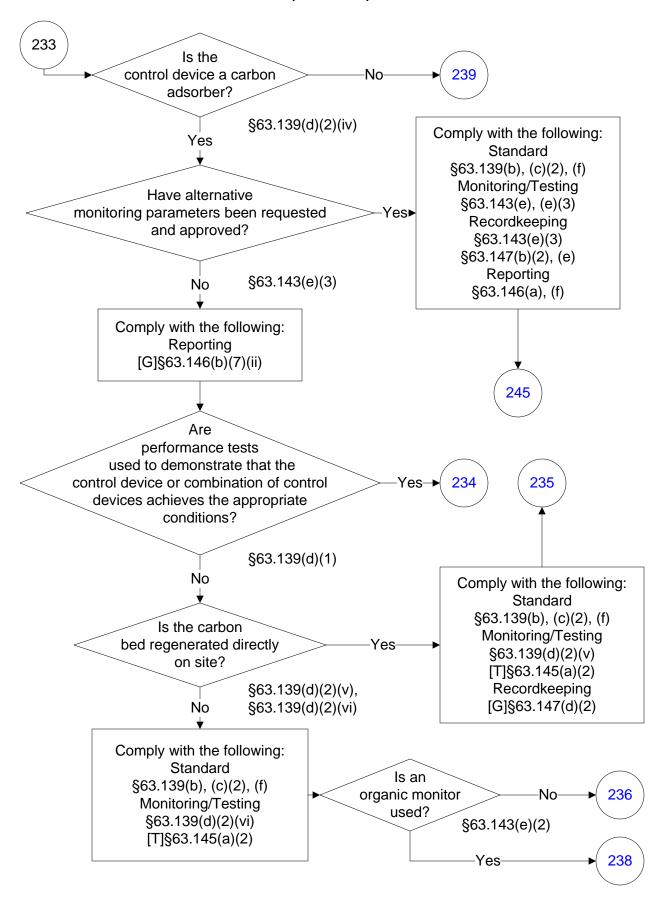
(115 of 176)



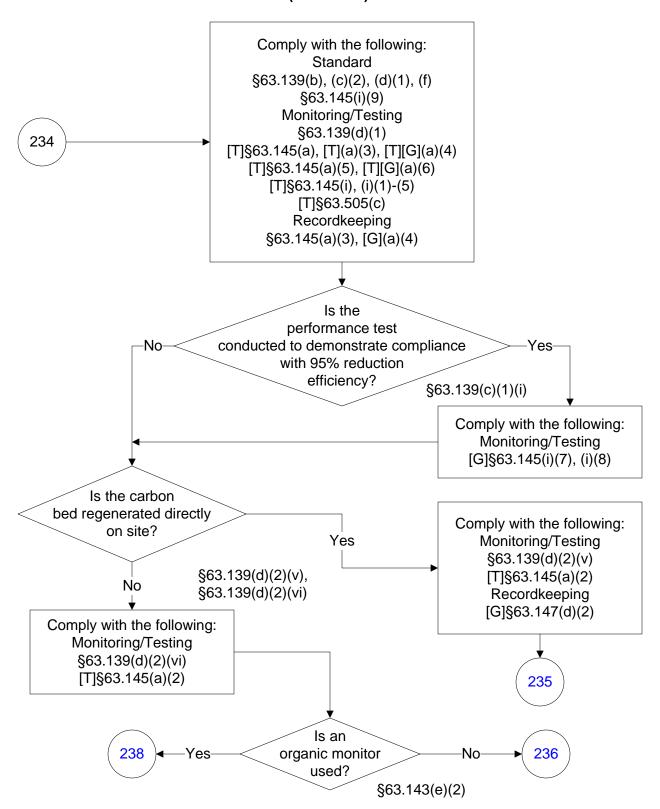
(116 of 176)

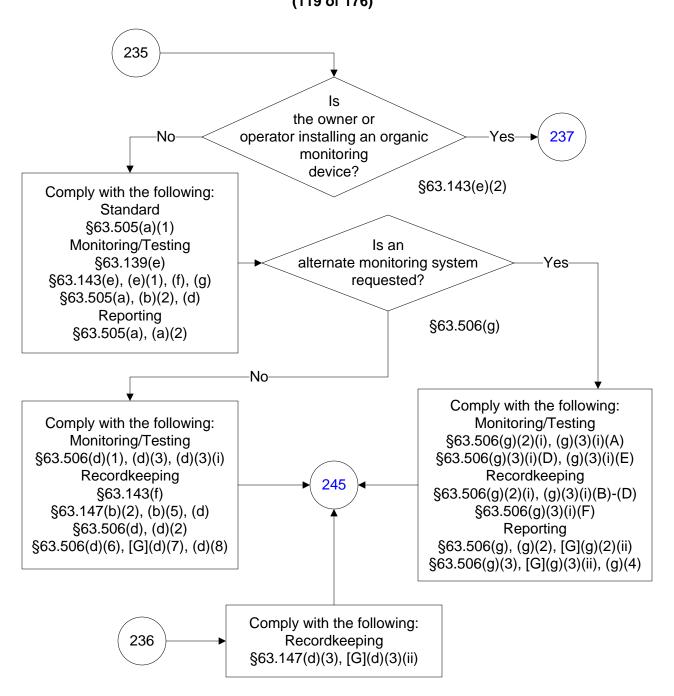


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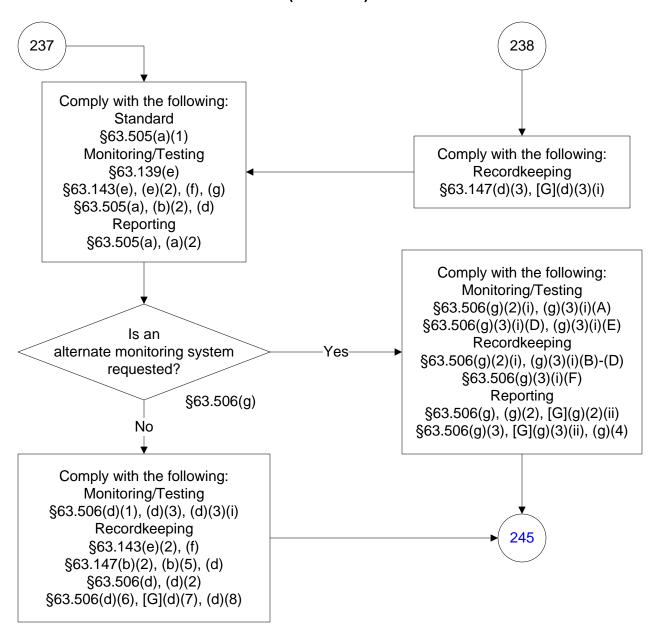


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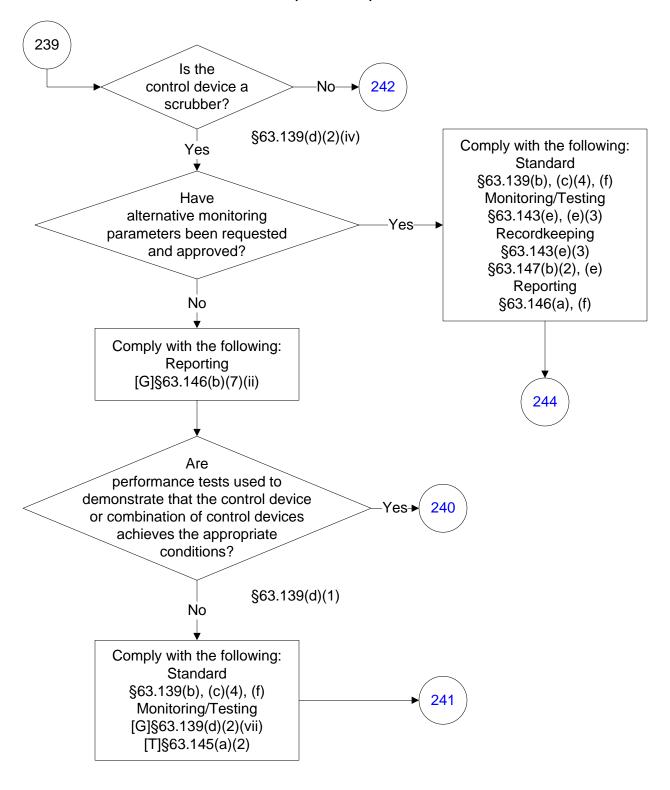




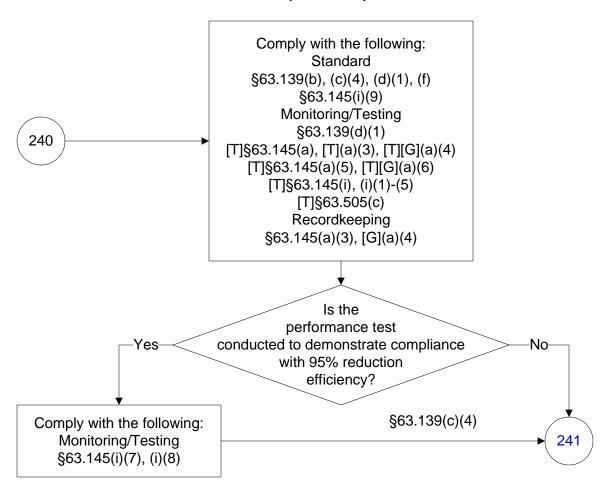
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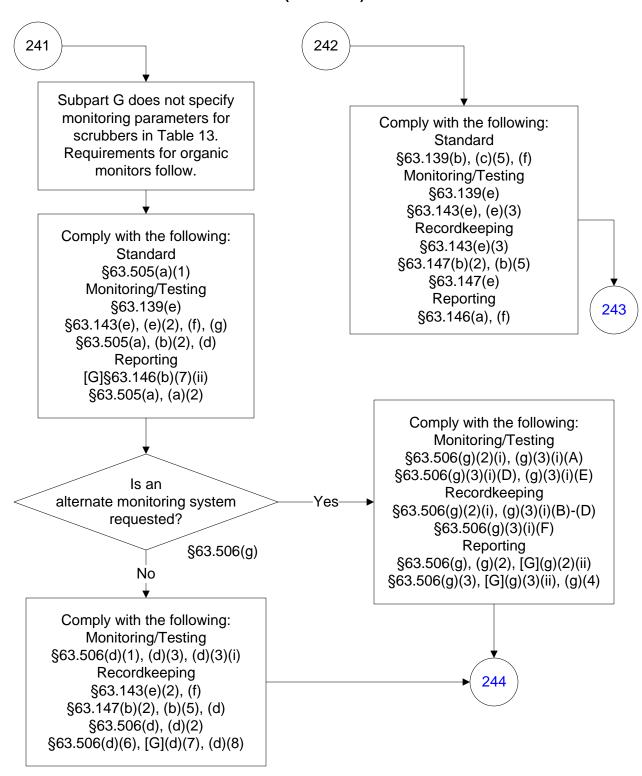
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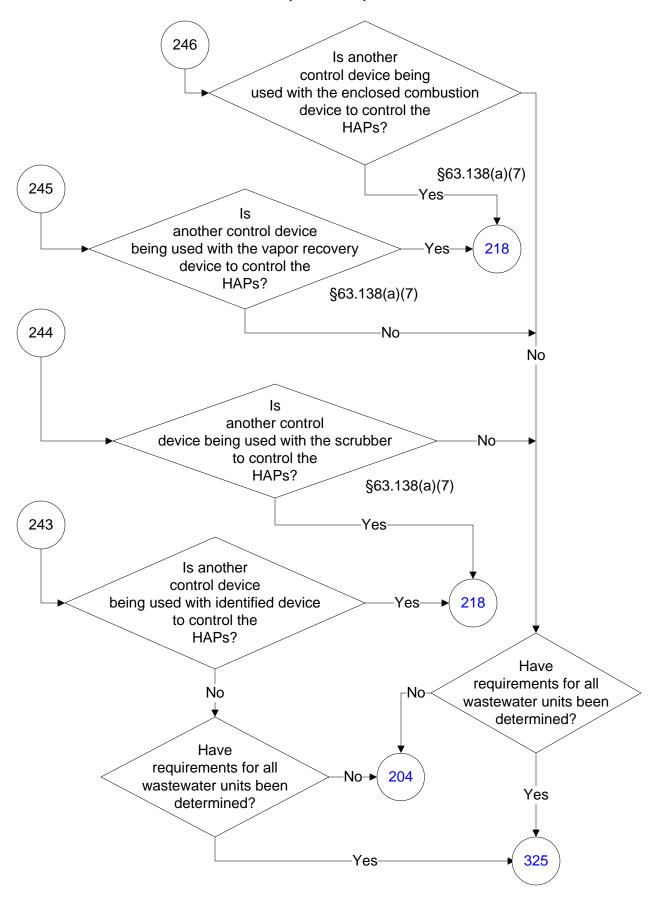
(122 of 176)



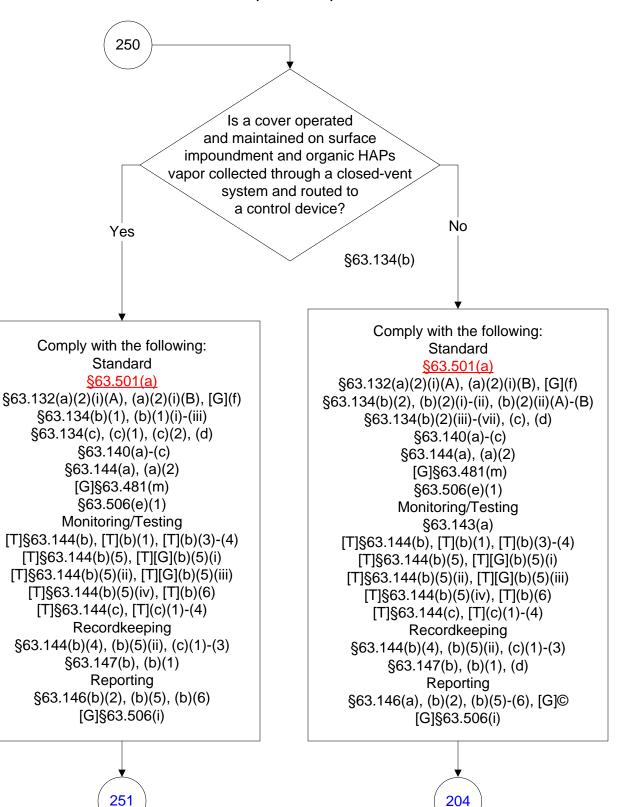
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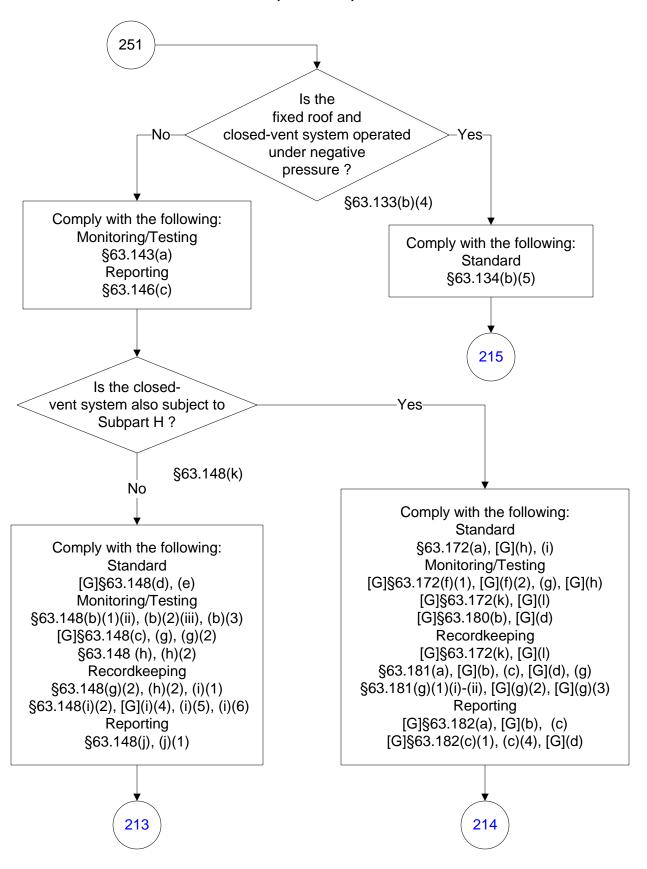
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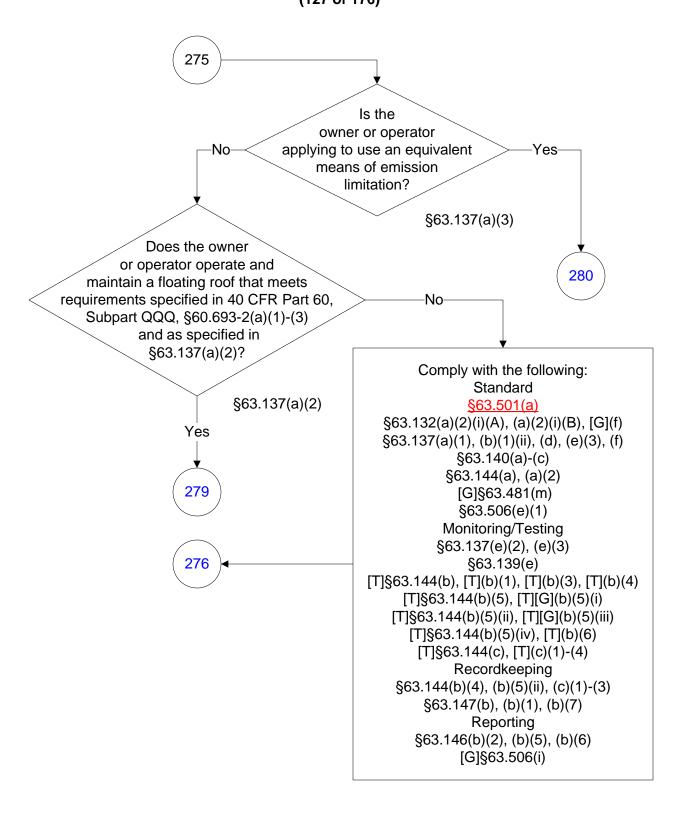
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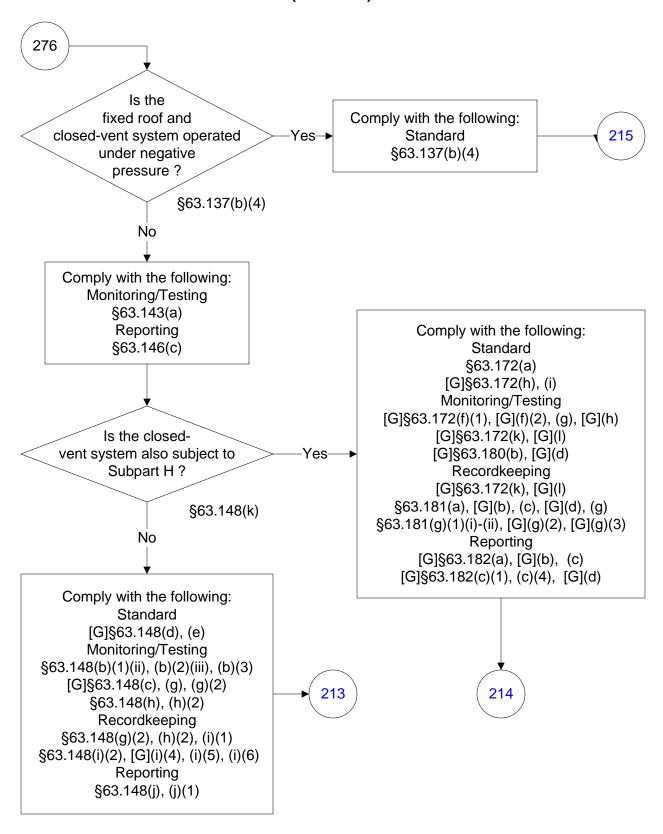
(126 of 176)



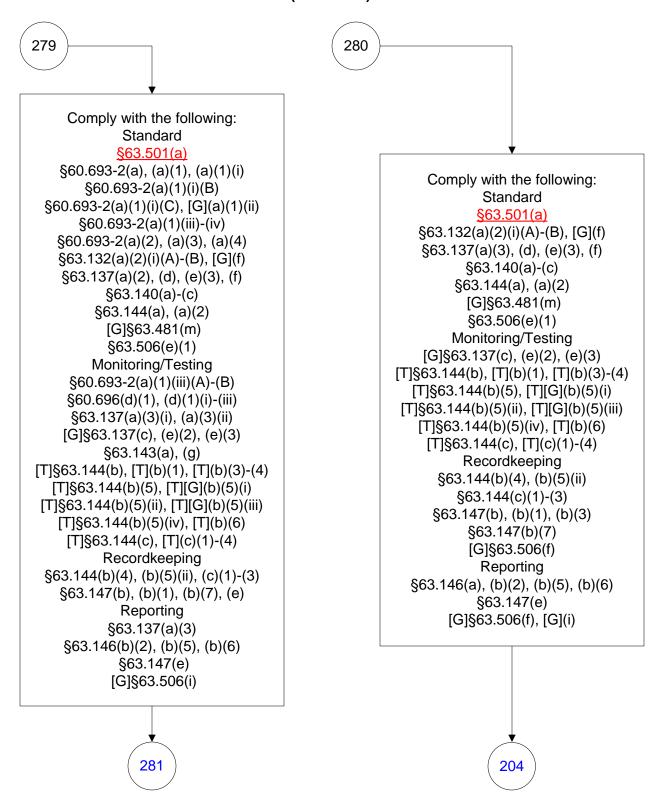
40 CFR Part 63, Subpart U(127 of 176)



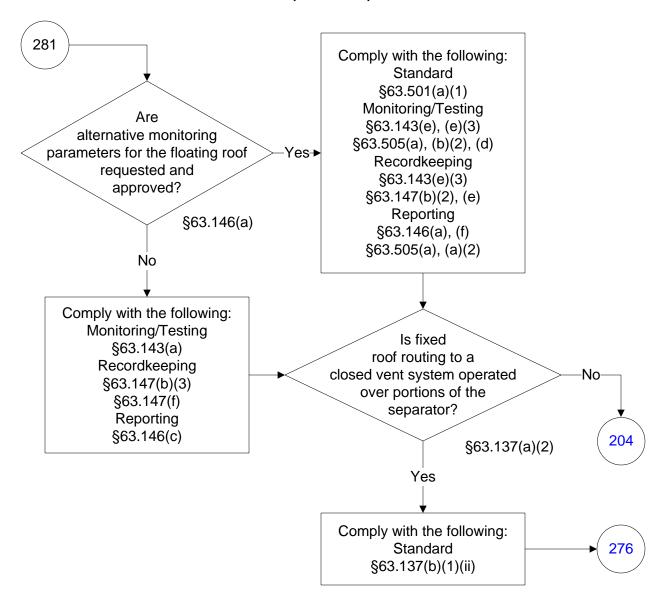
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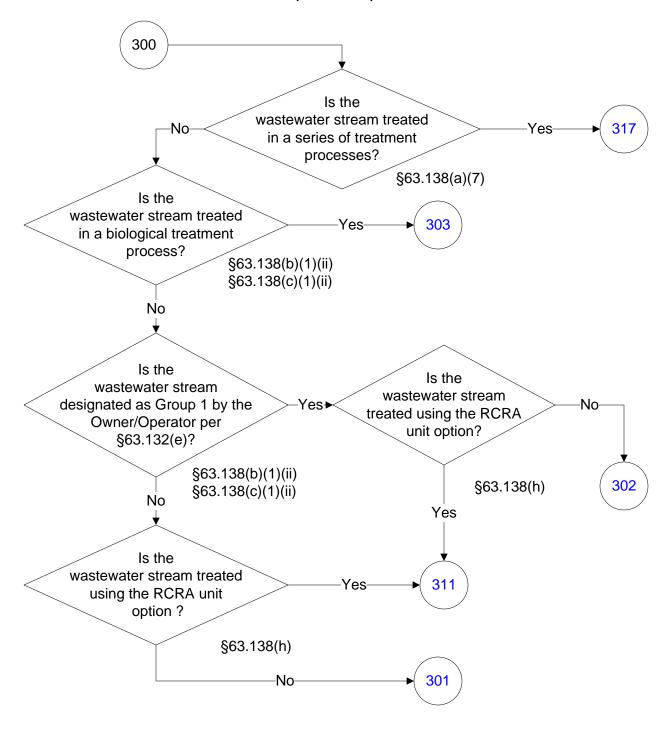
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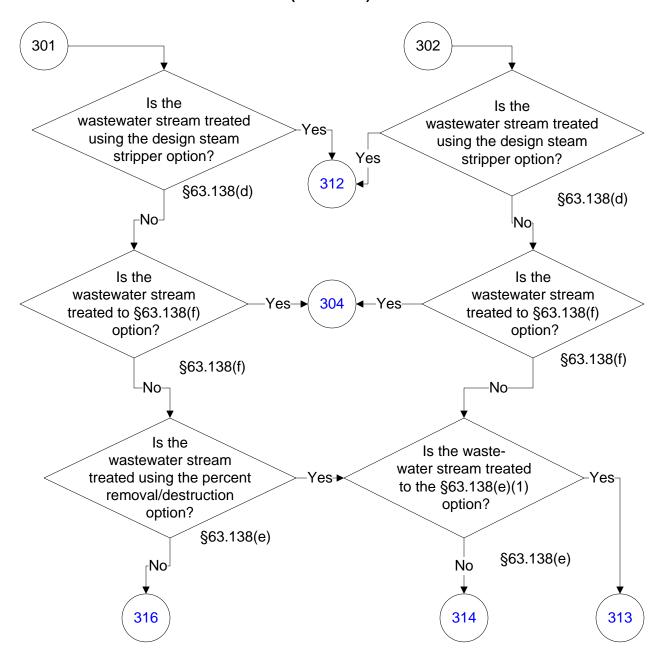
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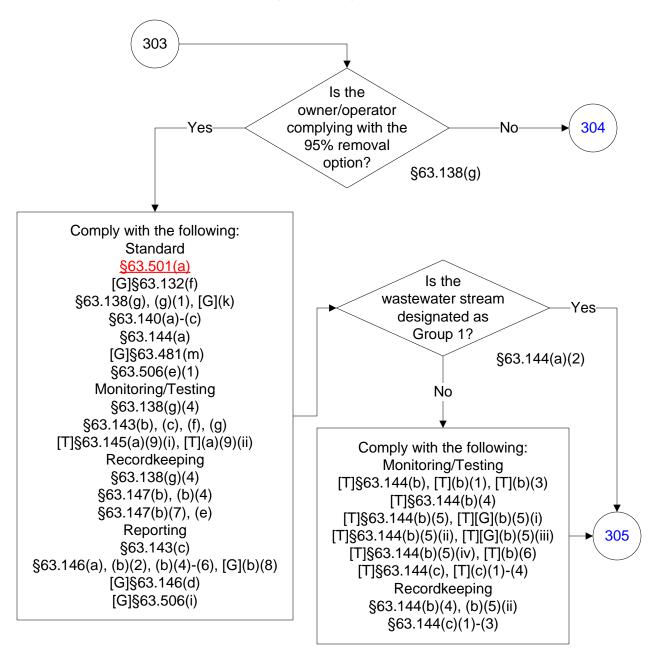
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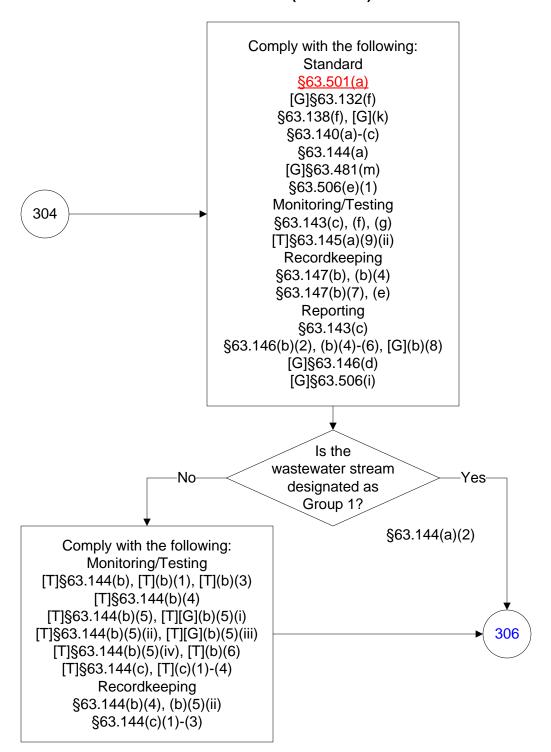
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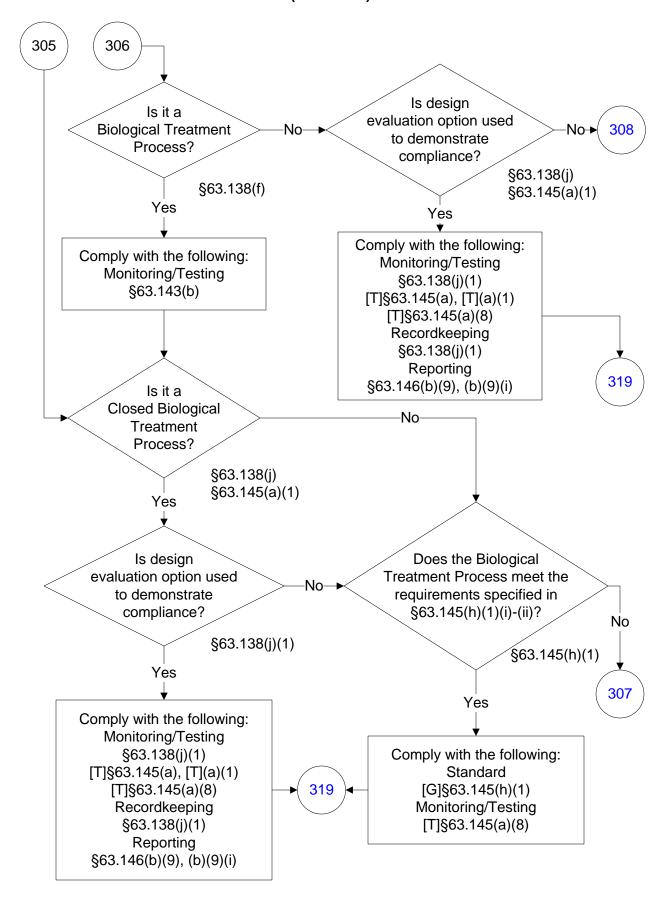
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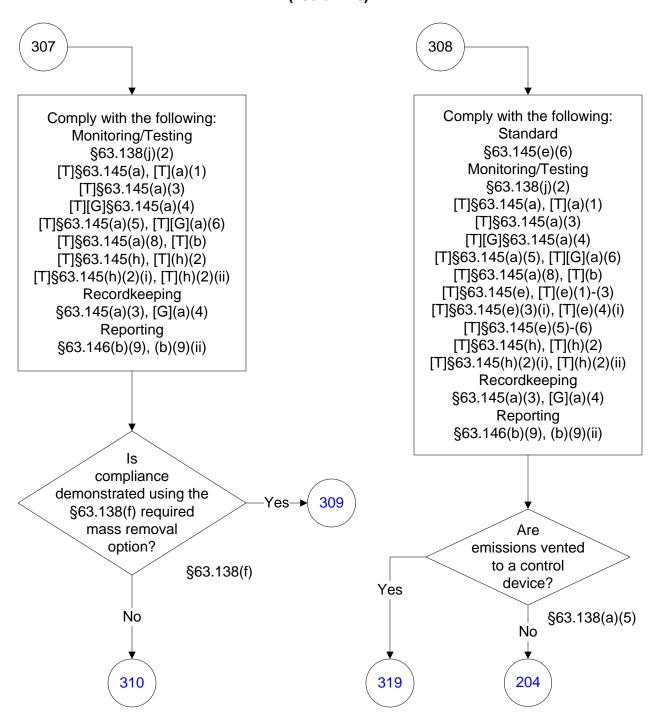
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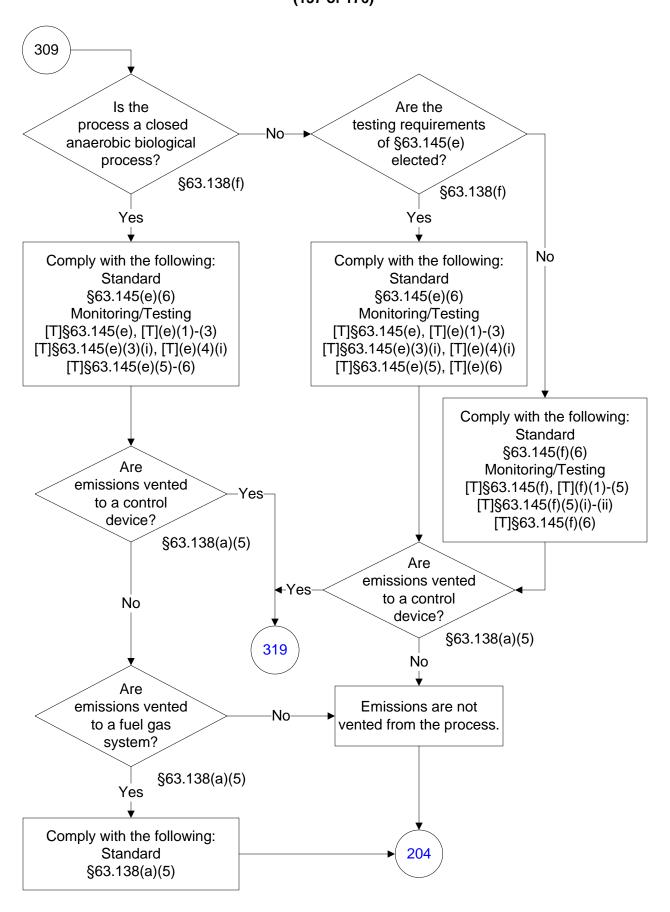


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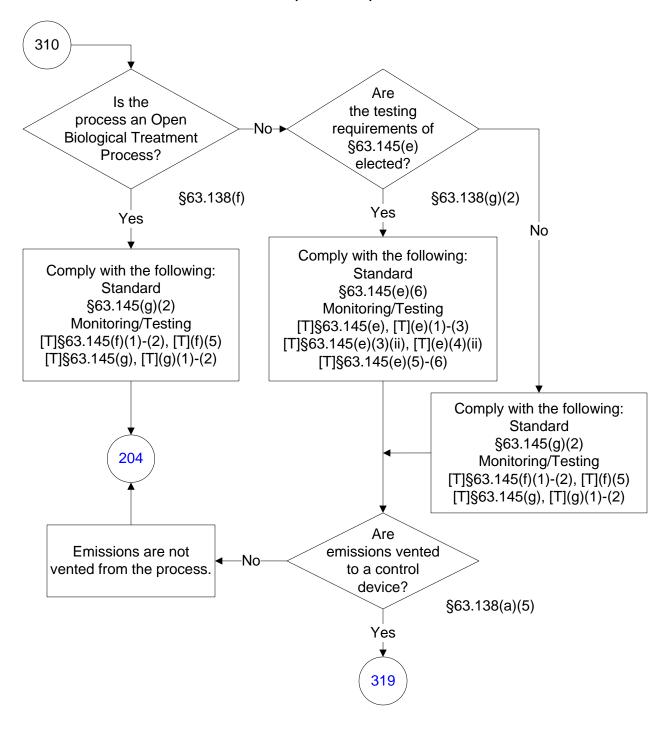


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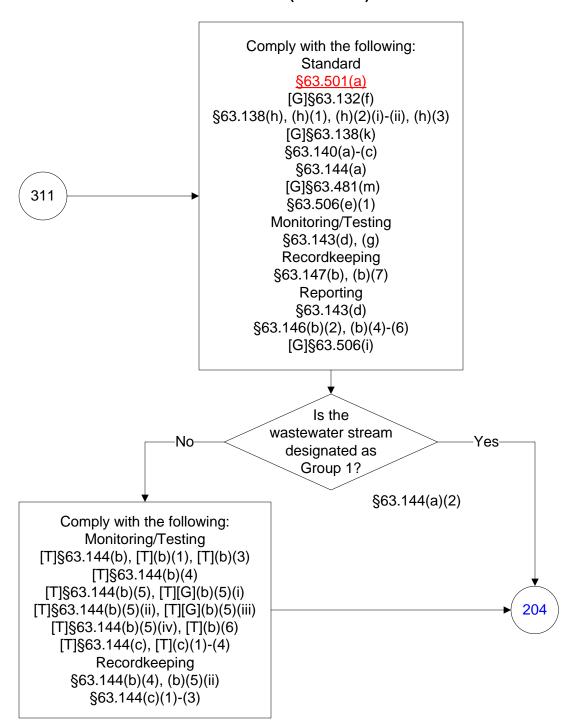




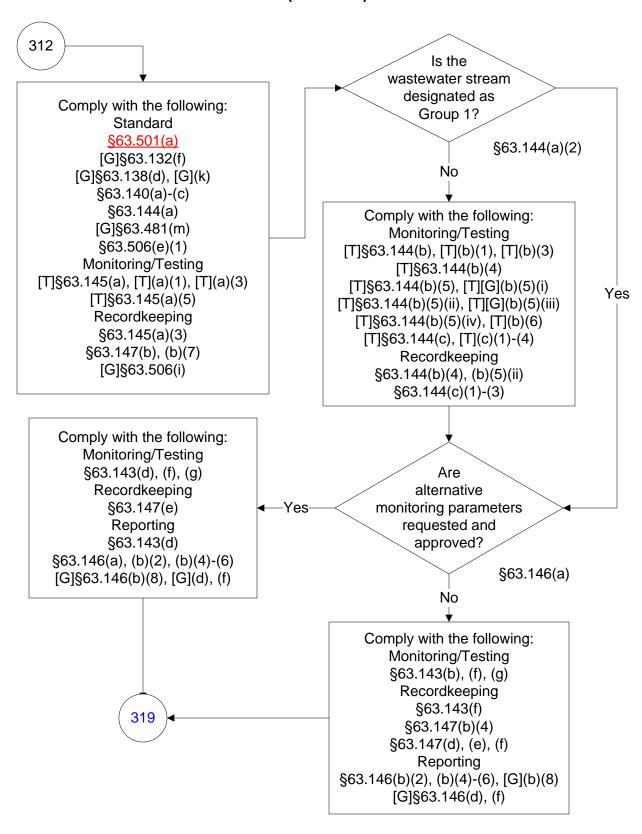
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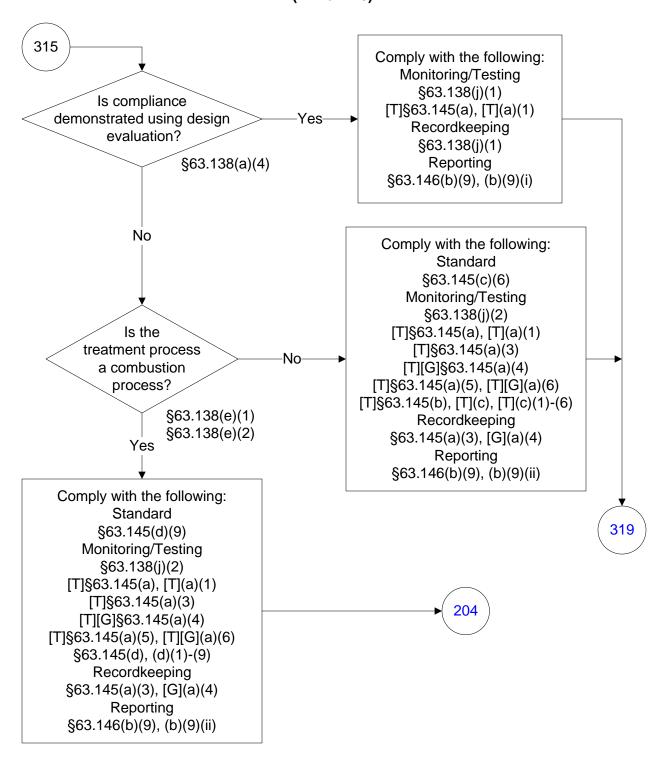


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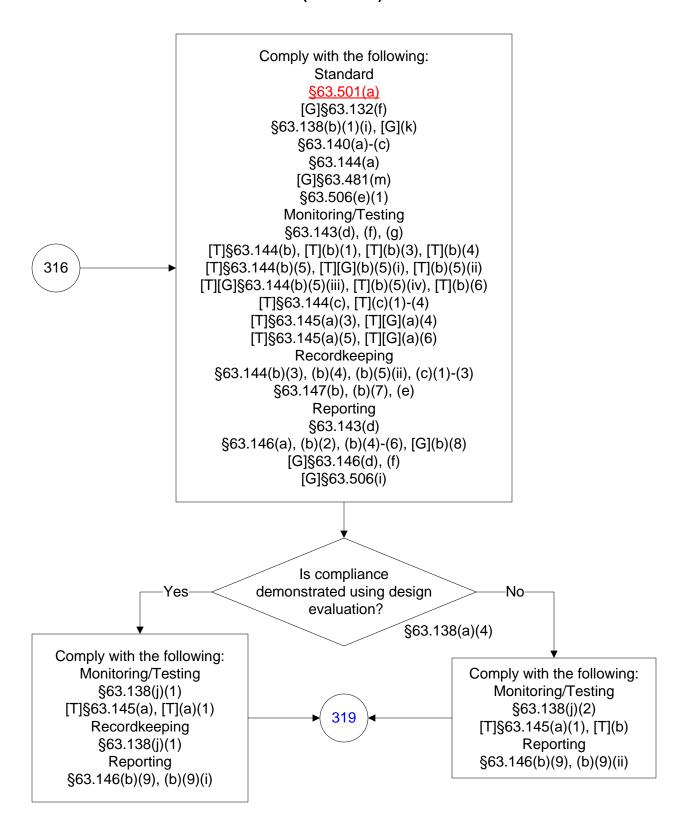


(141 of 176) 313 314 Comply with the following: Comply with the following: Standard Standard §63.501(a) §63.501(a) [G]§63.132(f) [G]§63.132(f) §63.138(e)(2), [G](k) §63.138(e)(1), [G](k) §63.140(a)-(c) §63.140(a)-(c) §63.144(a) §63.144(a) [G]§63.481(m) [G]§63.481(m) §63.506(e)(1) §63.506(e)(1) Monitoring/Testing Monitoring/Testing §63.143(d), (f), (g) §63.143(d), (f), (g) Recordkeeping Recordkeeping §63.147(b), (b)(7), (e) §63.147(b), (b)(7), (e) Reporting Reporting §63.143(d) §63.143(d) §63.146(a), (b)(2), (b)(4)-(6), [G](b)(8) §63.146(a), (b)(2), (b)(4)-(6) [G]§63.146(d), (f) [G]§63.146(b)(8), [G](d), (f) [G]§63.506(i) [G]§63.506(i) Is the wastewater stream No Yes designated as Group 1? §63.144(a)(2)

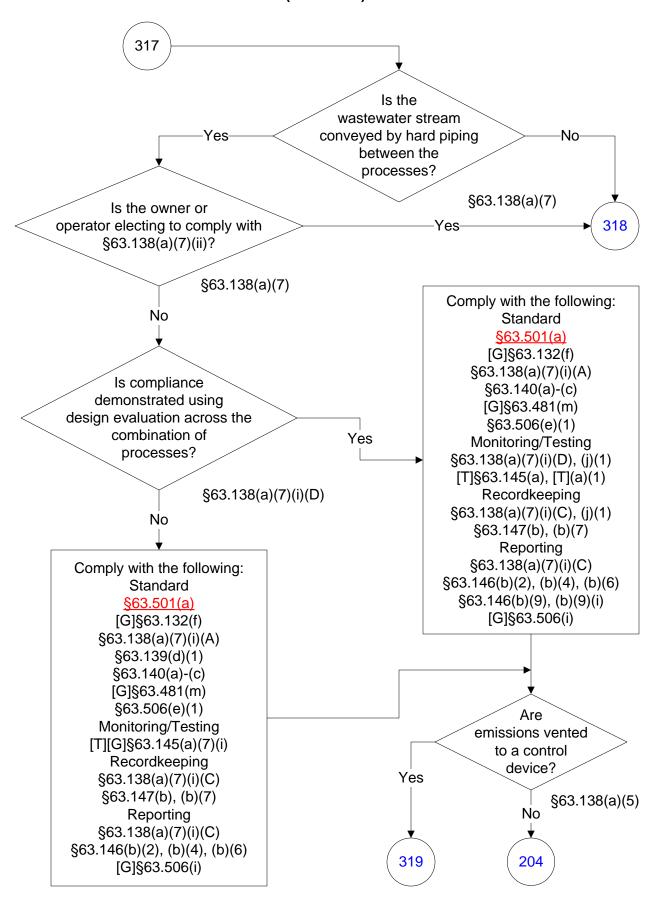
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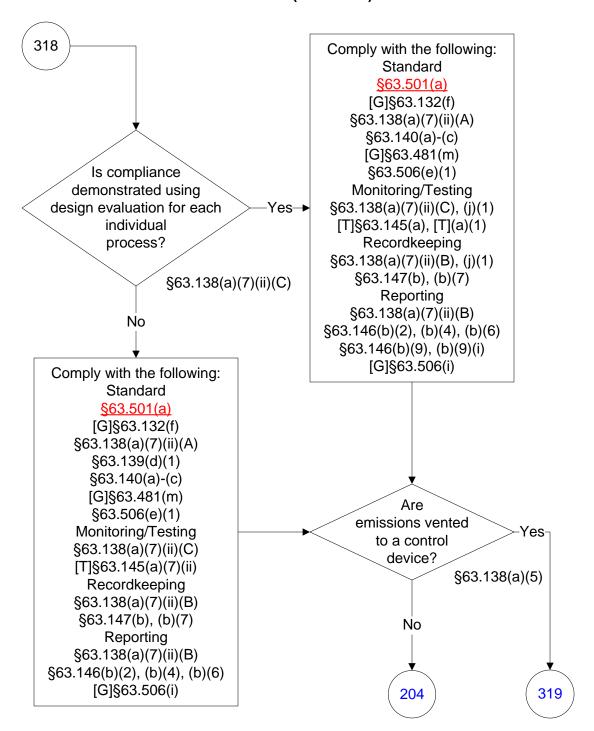
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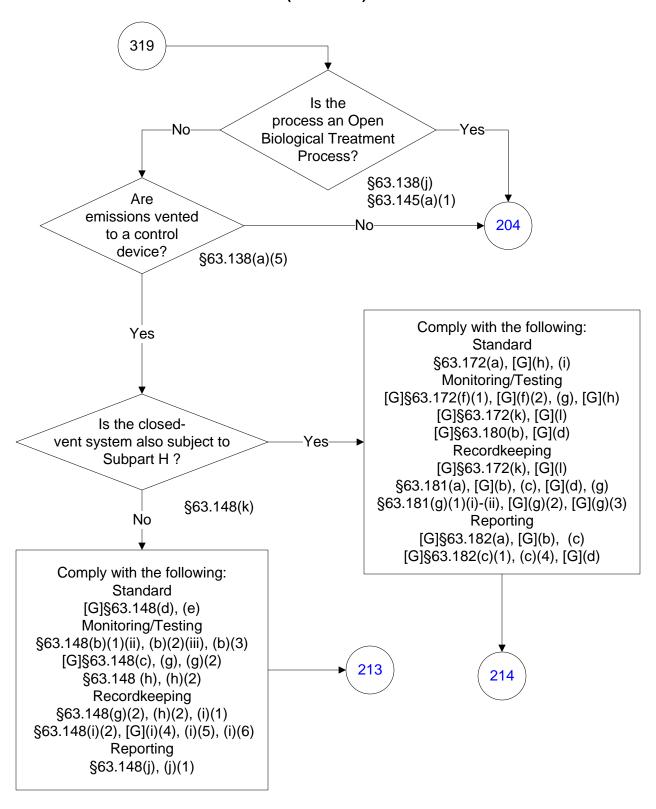
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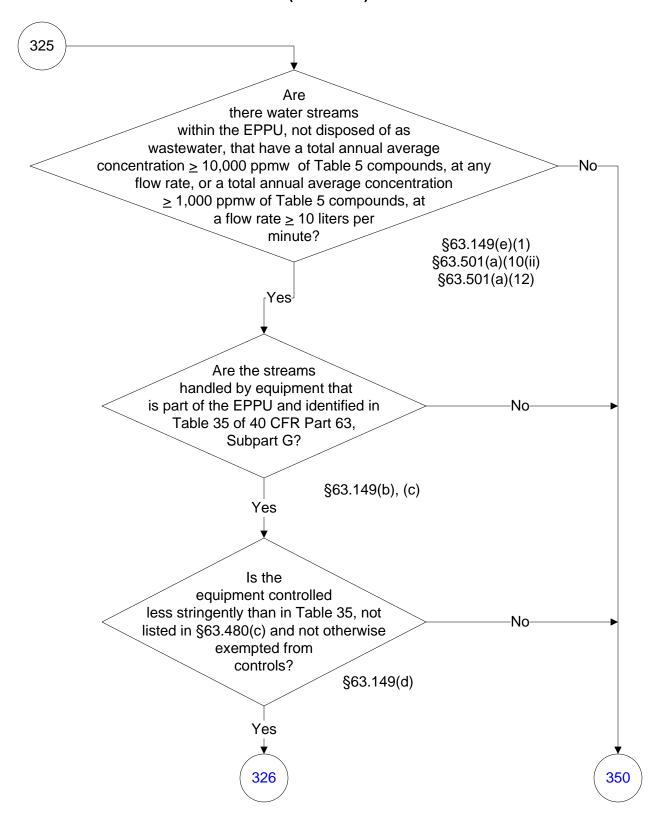
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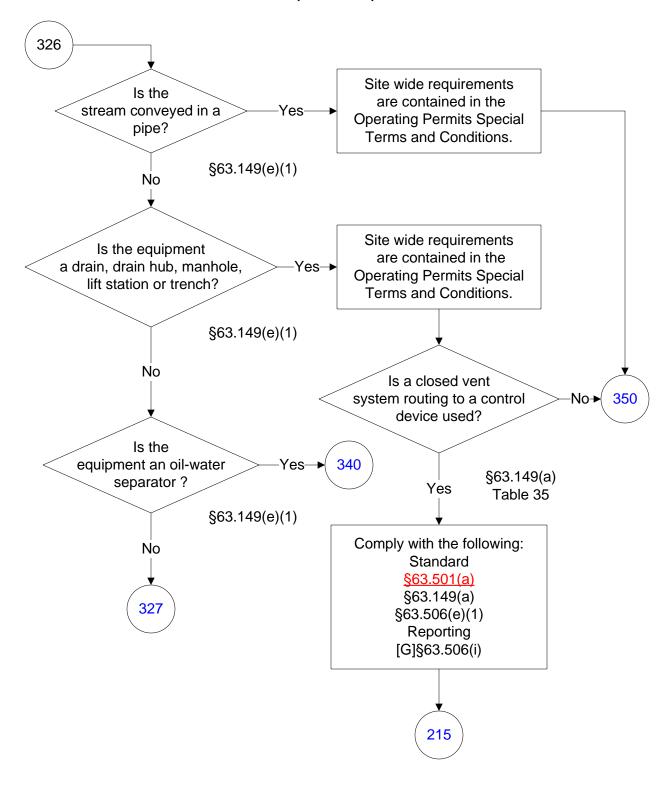
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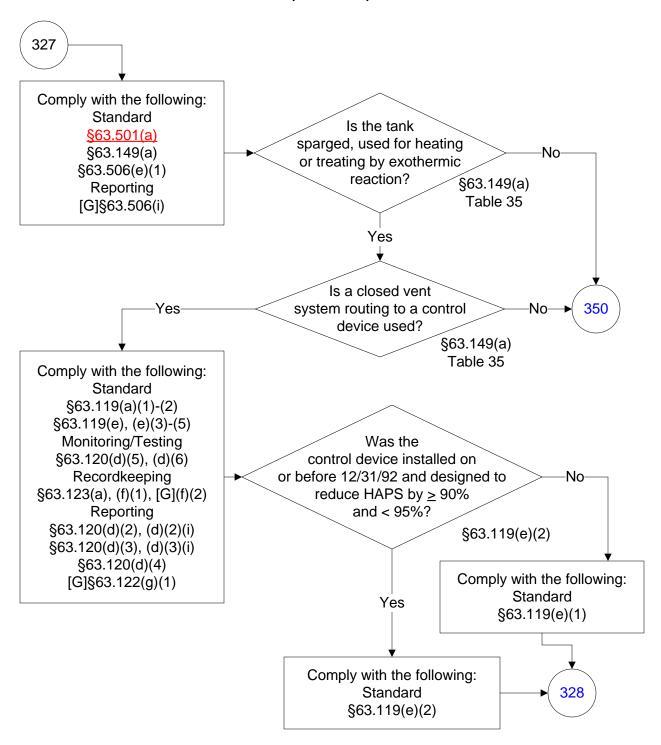
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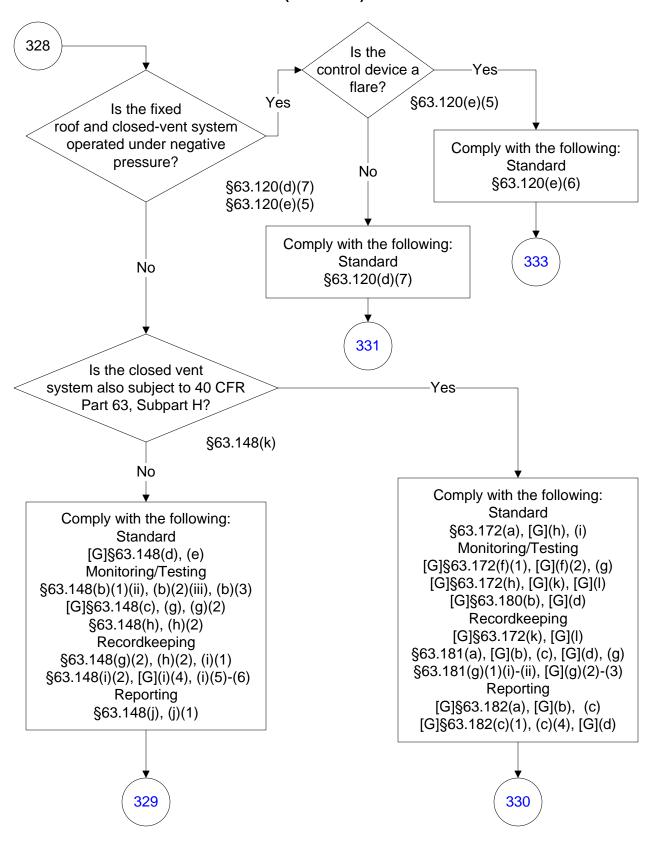
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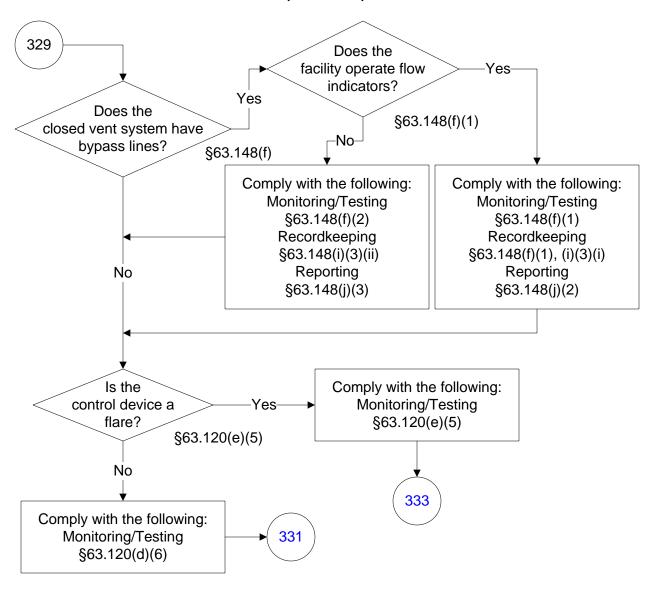
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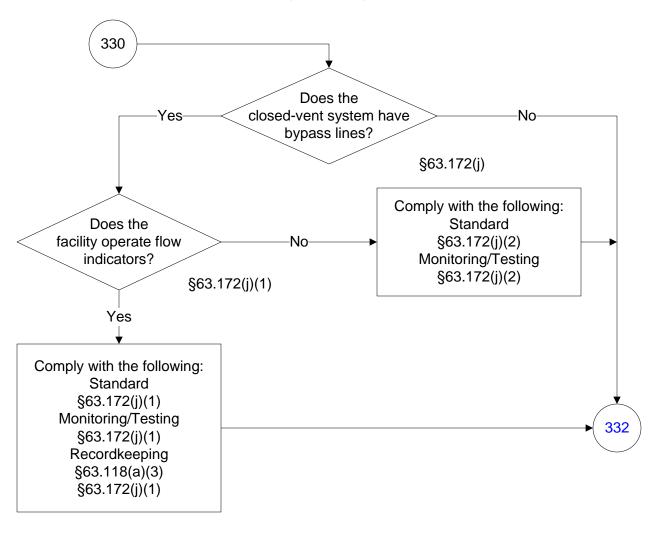
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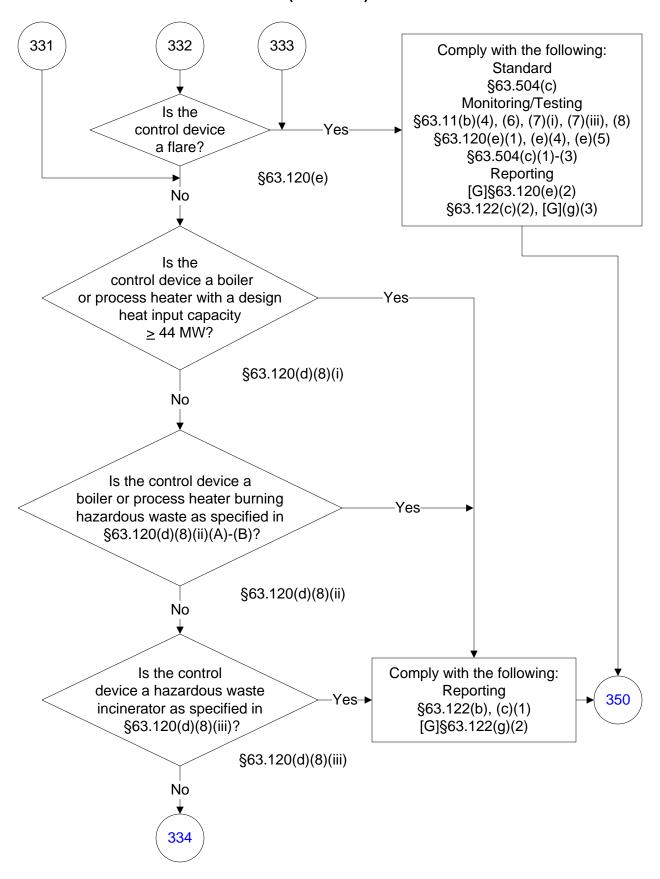
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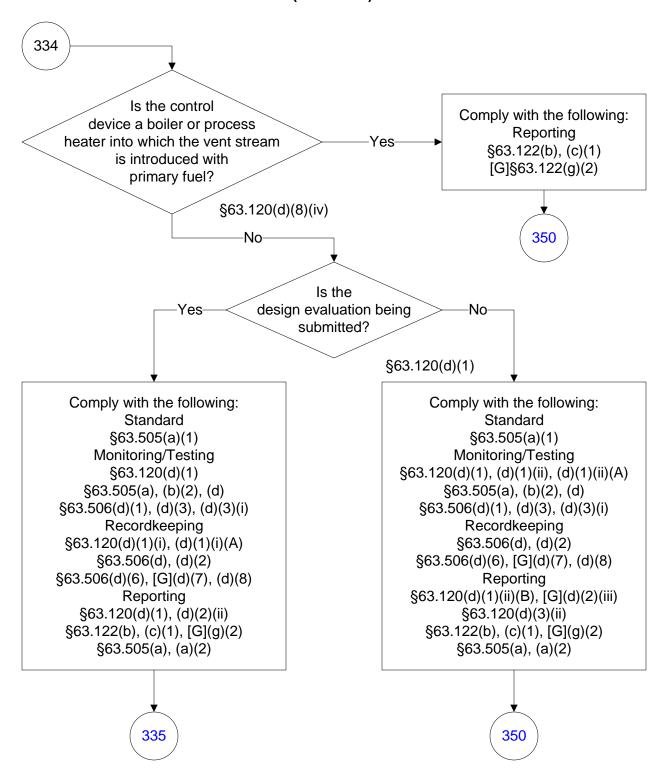
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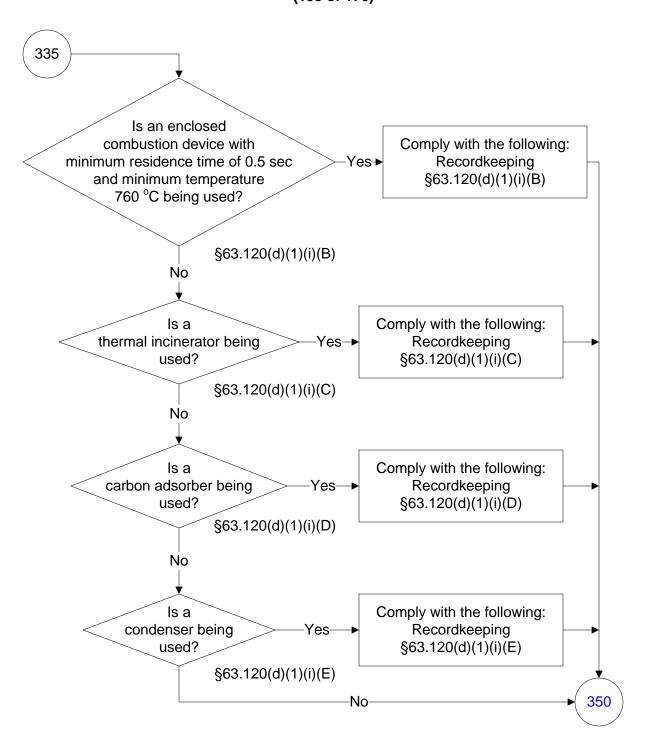
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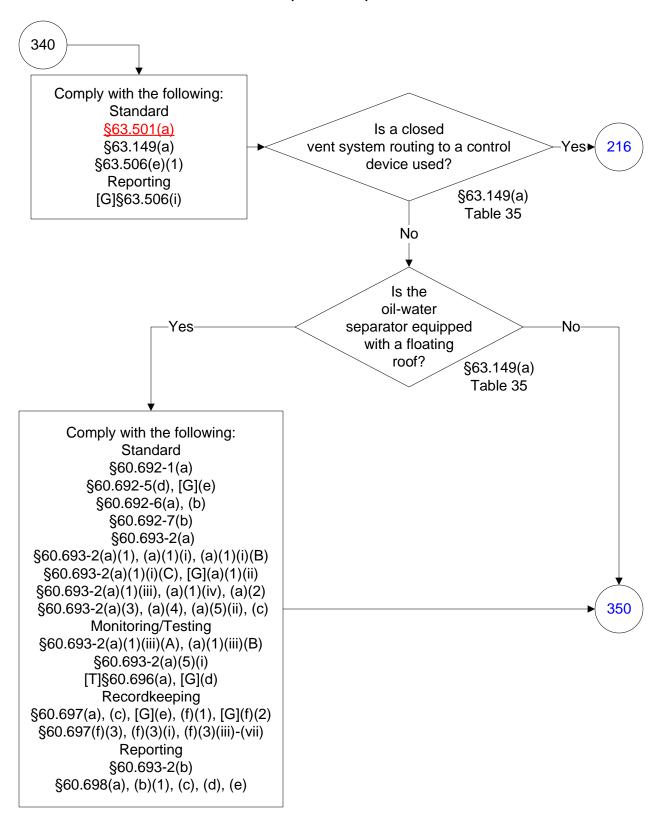
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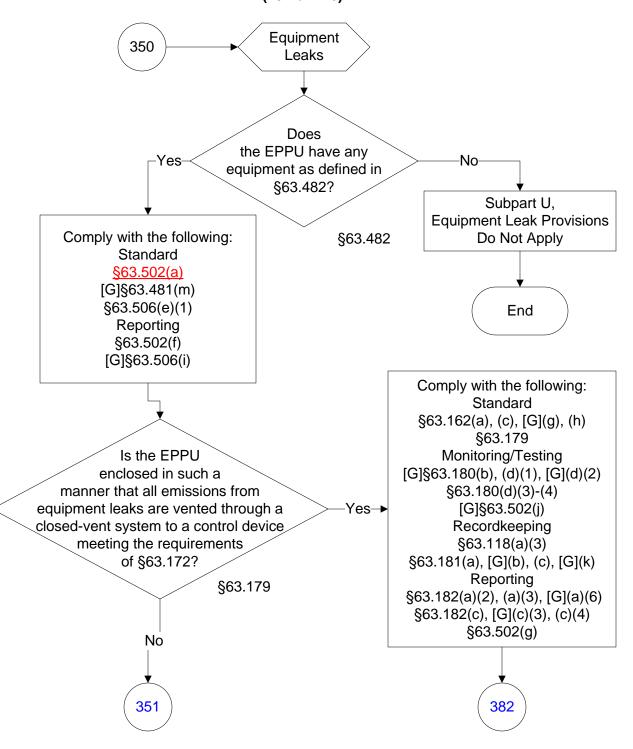
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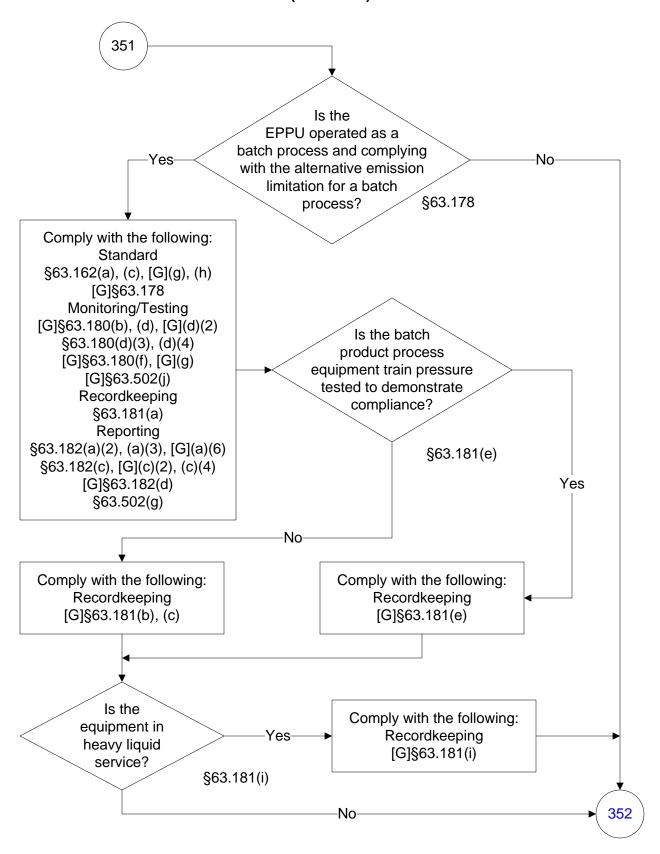
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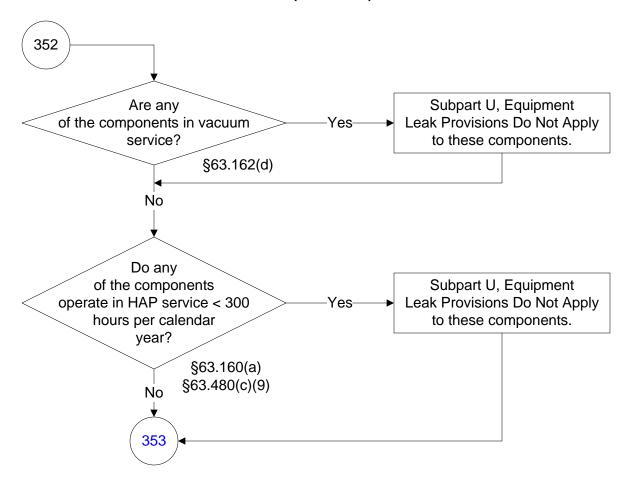
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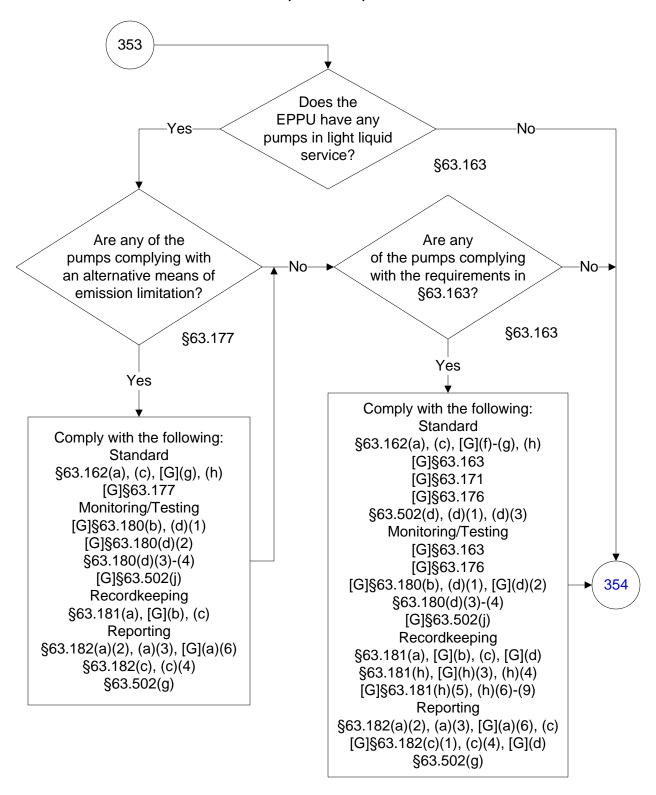
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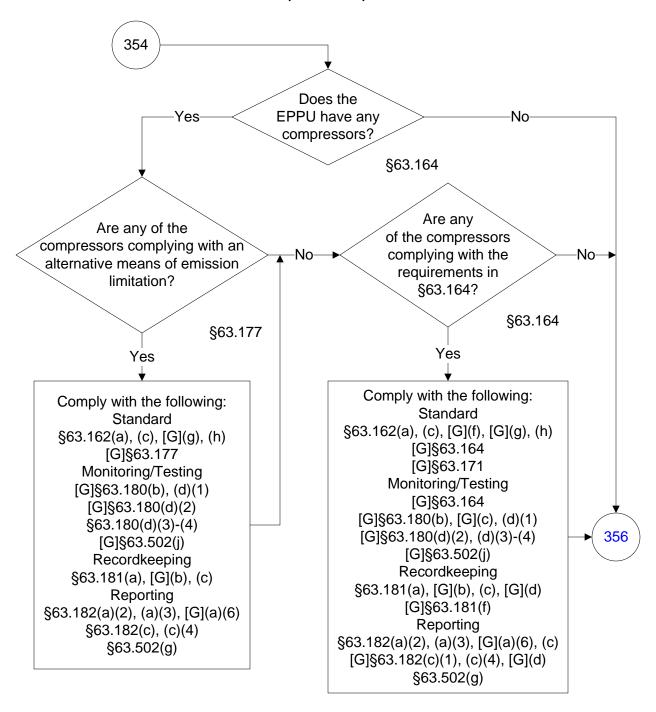
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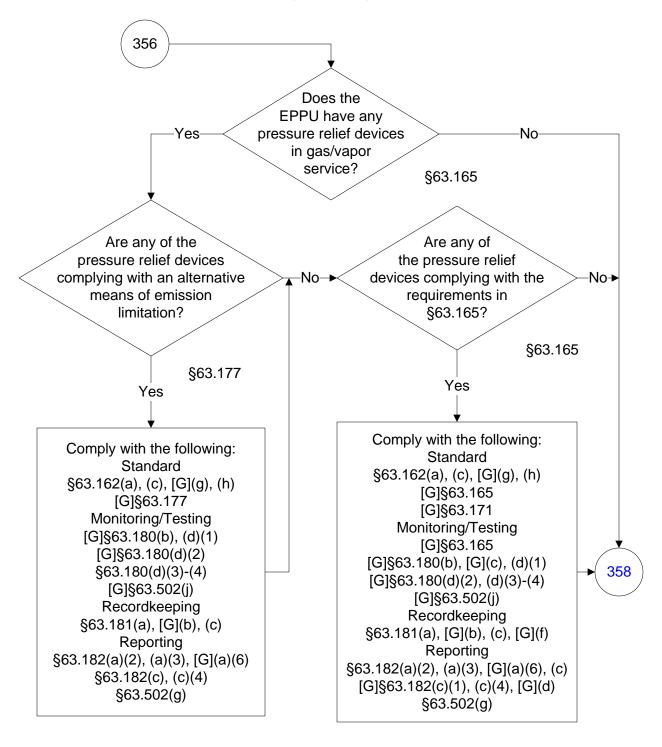
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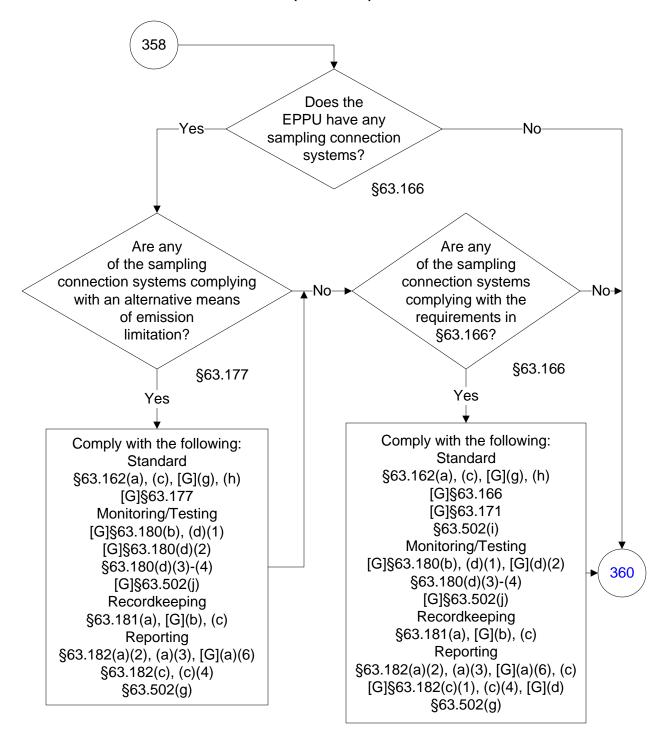
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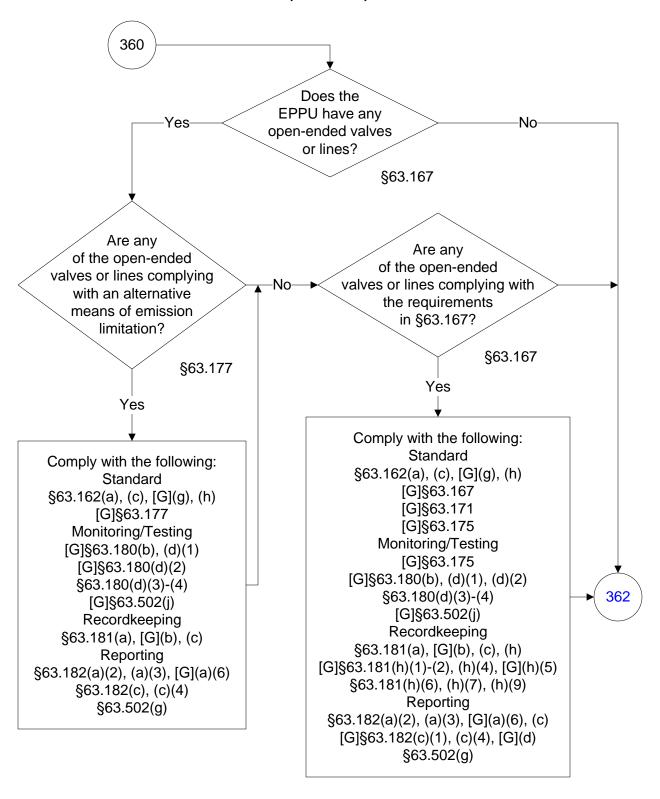
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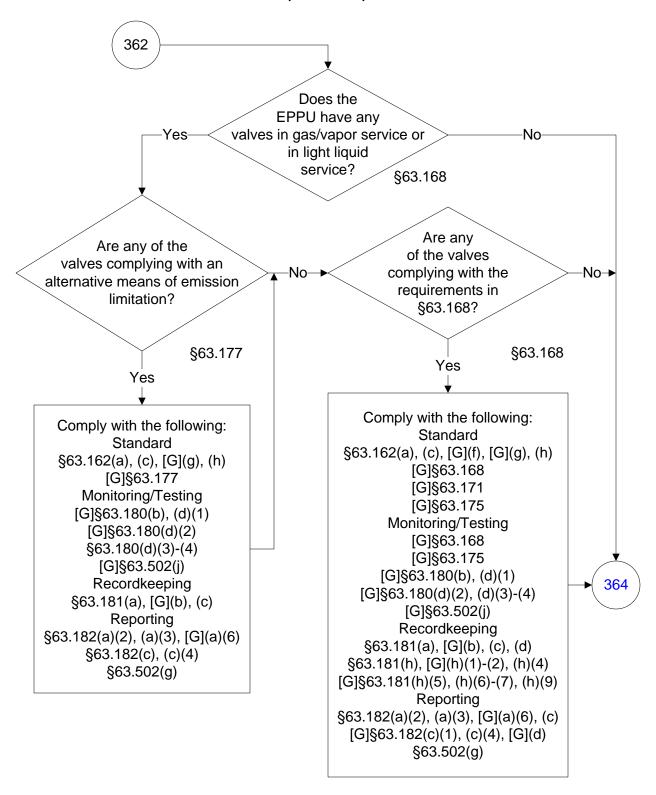
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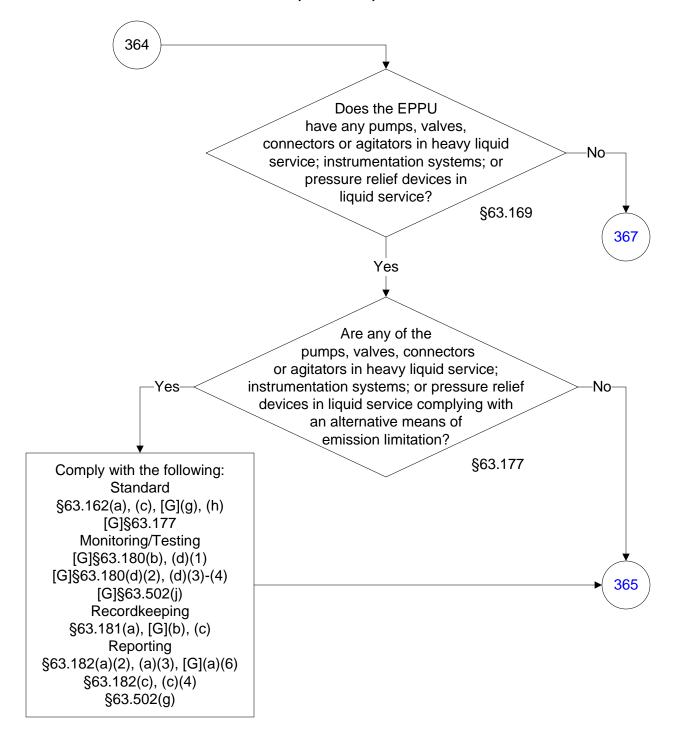
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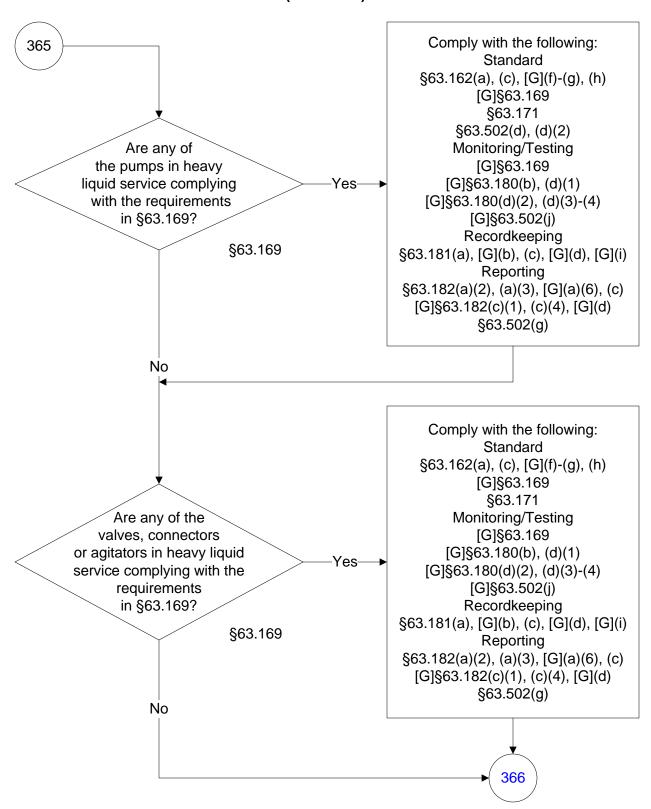
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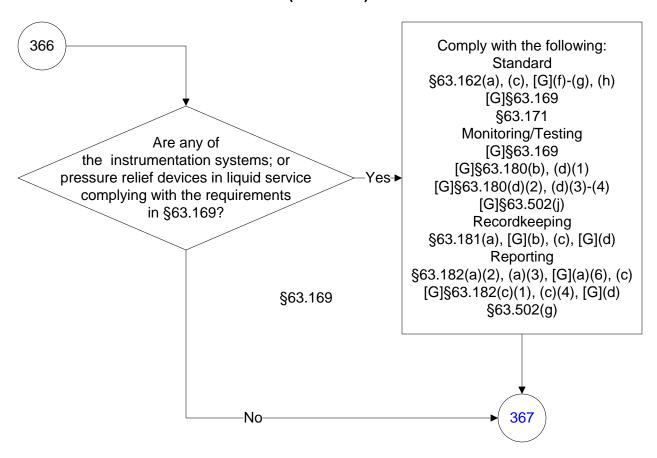
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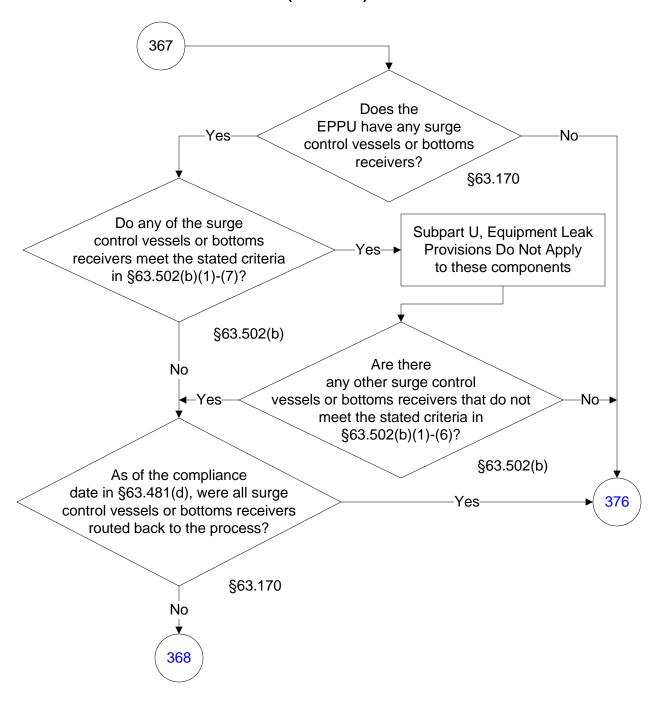
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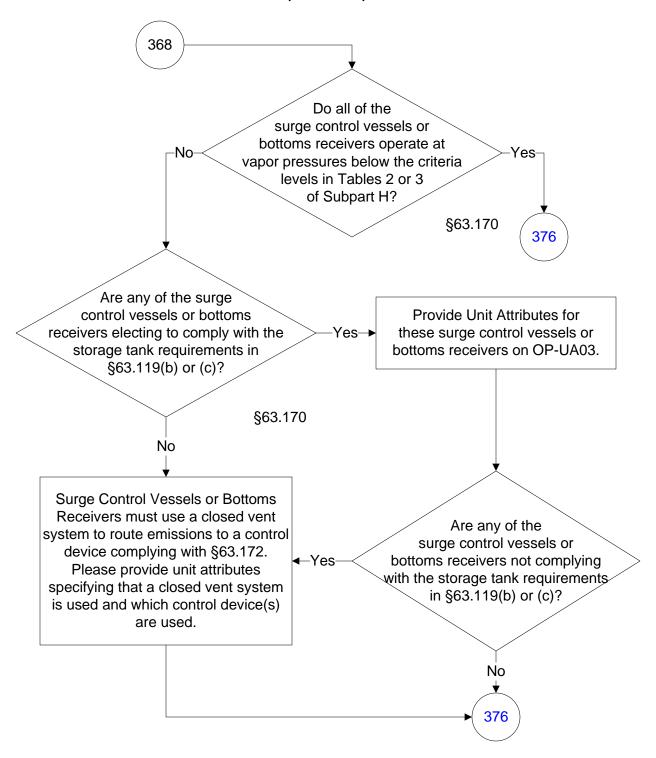
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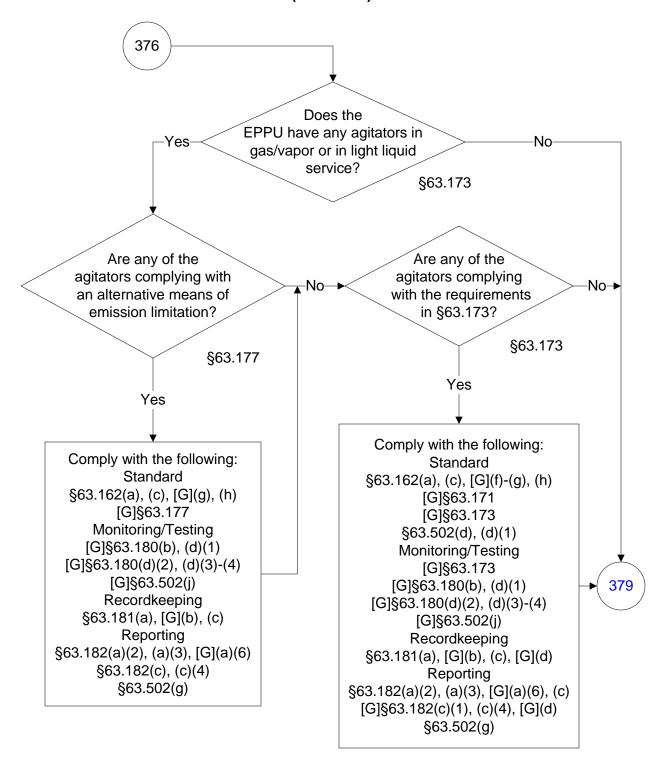
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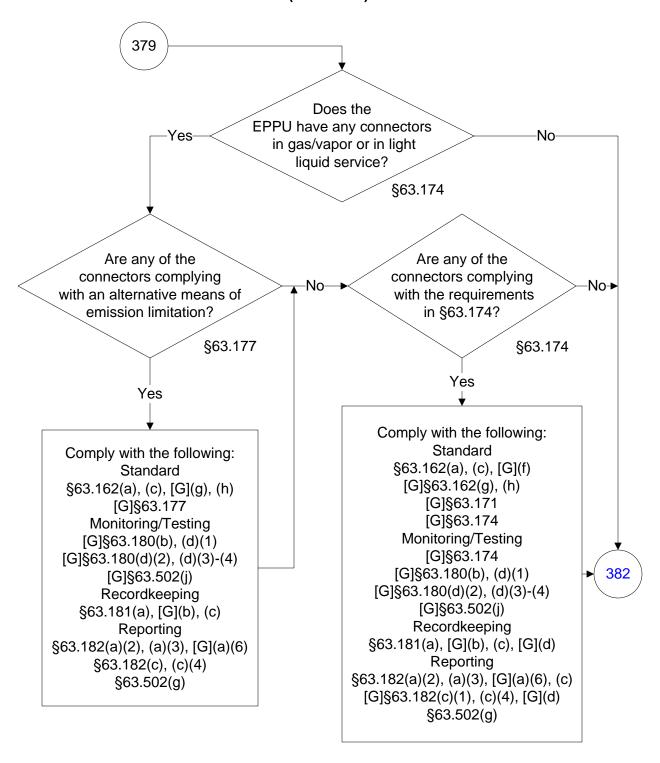
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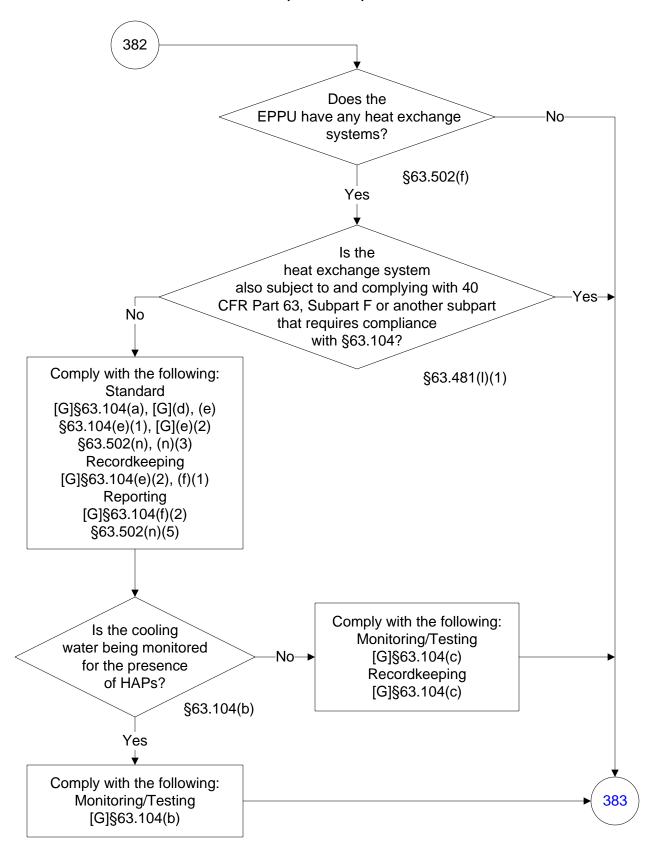
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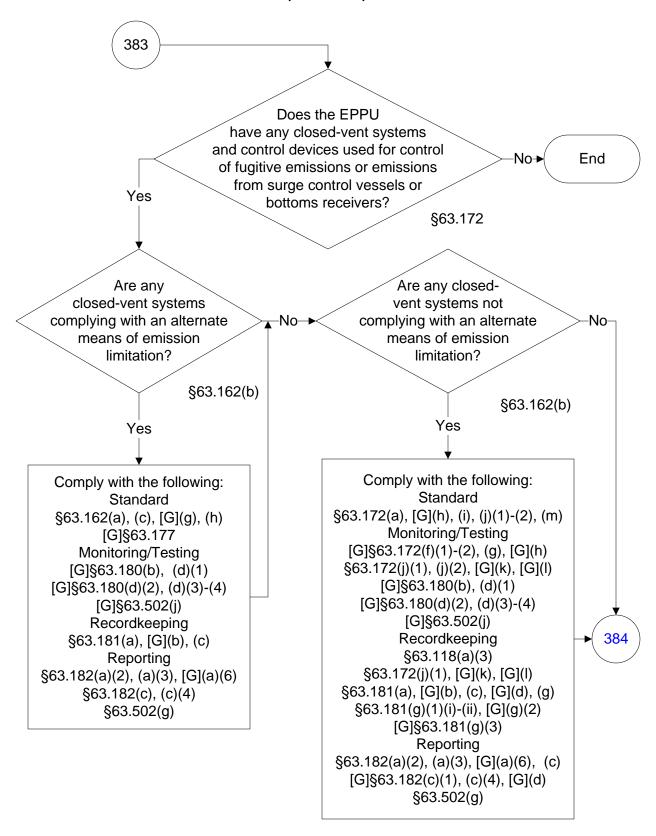
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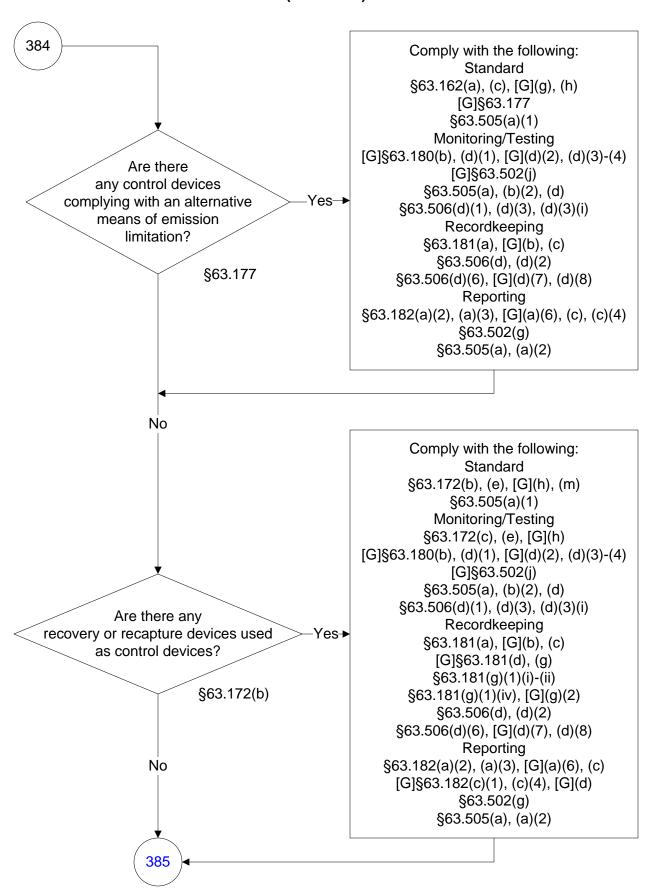
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