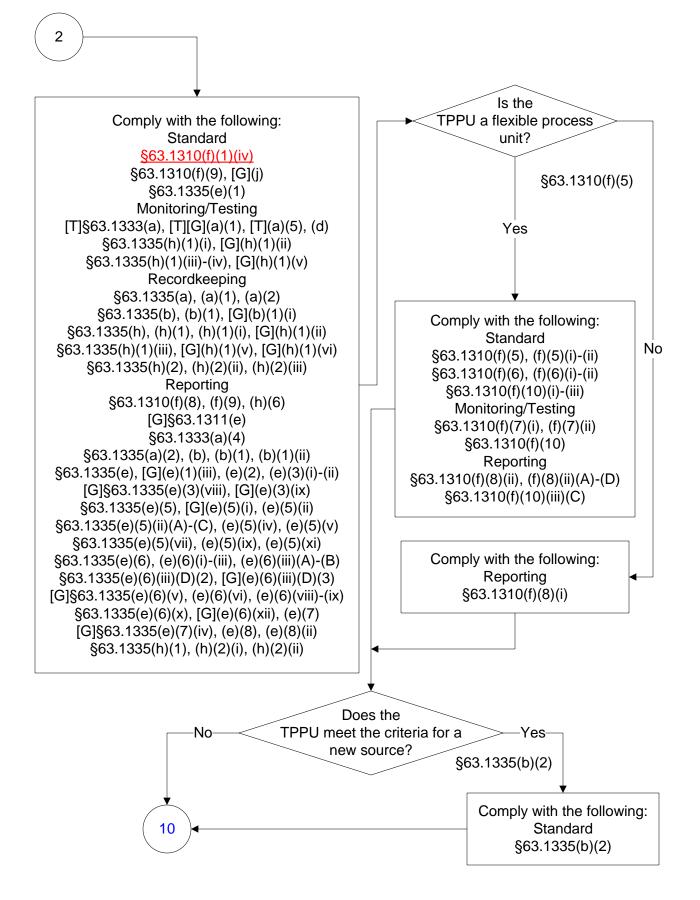
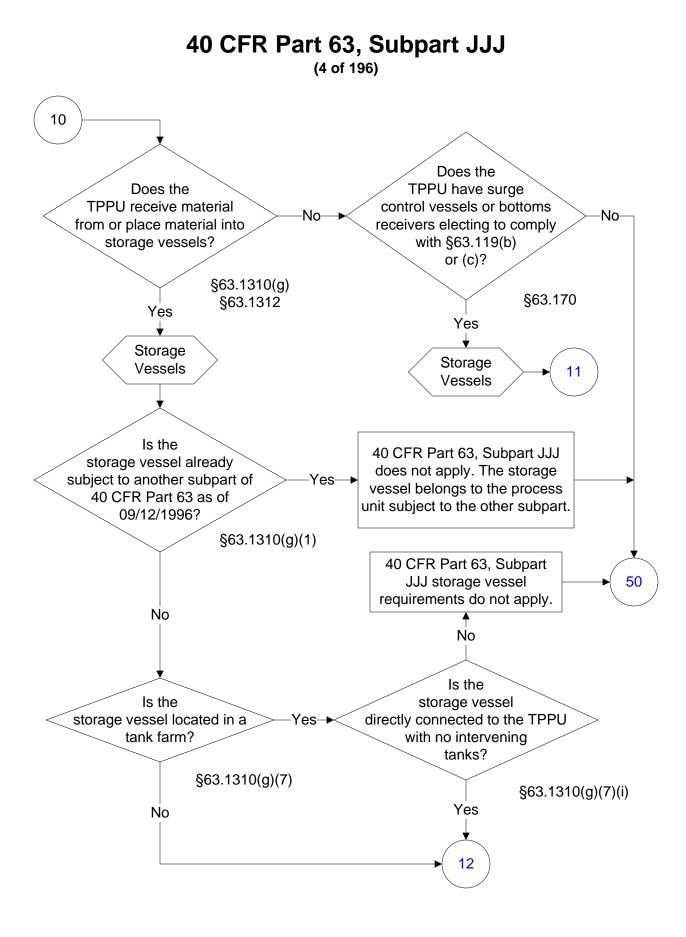
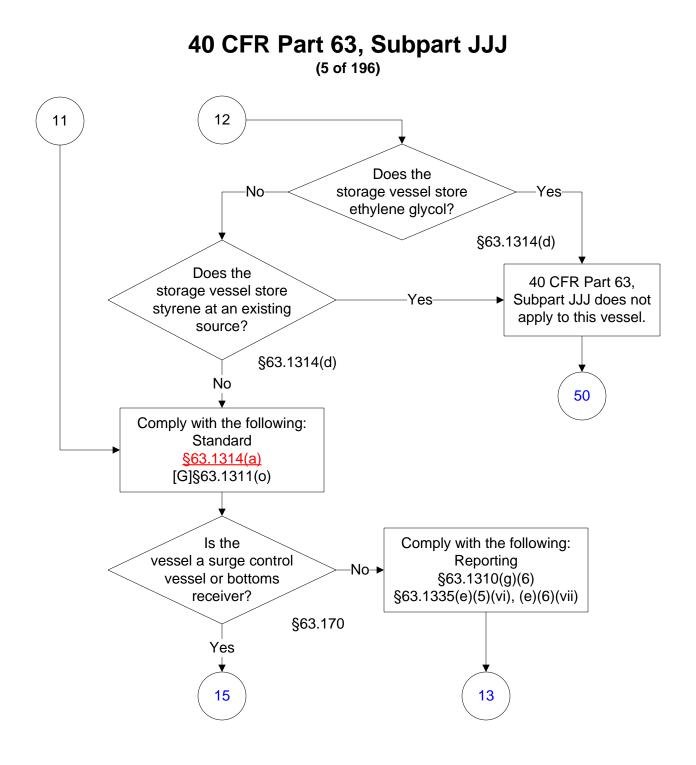


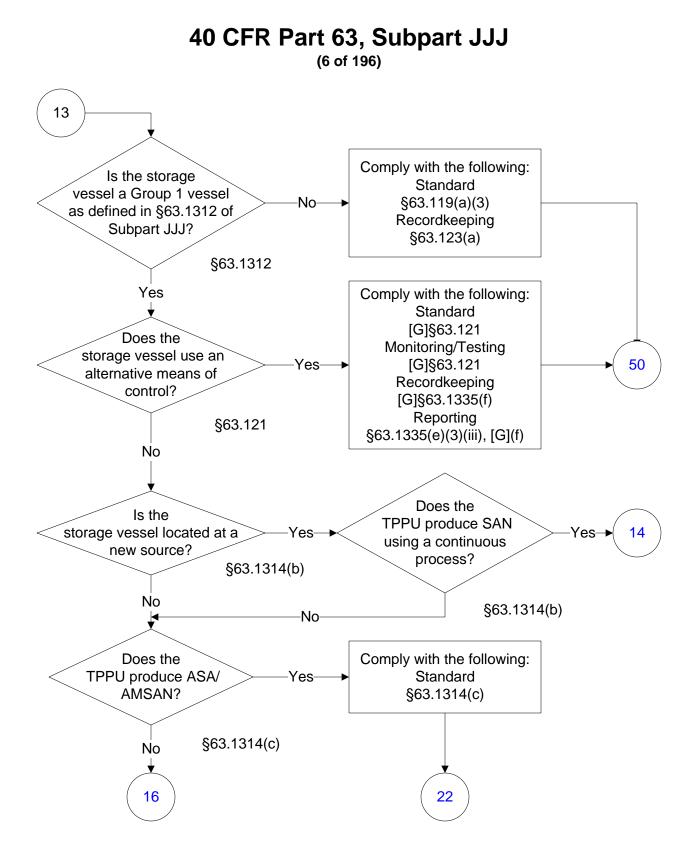
(3 of 196)

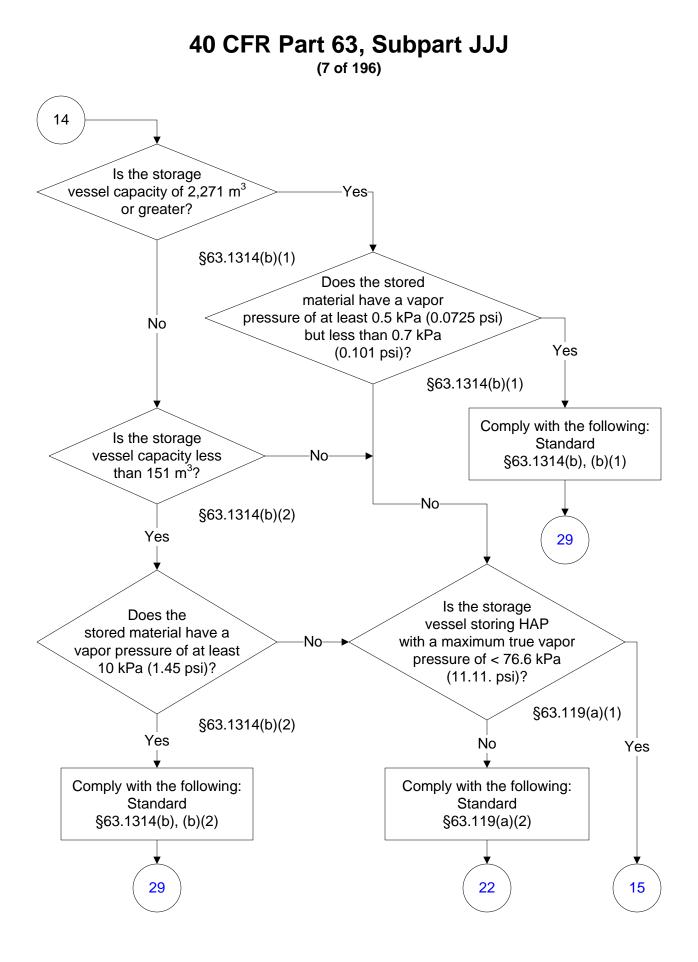


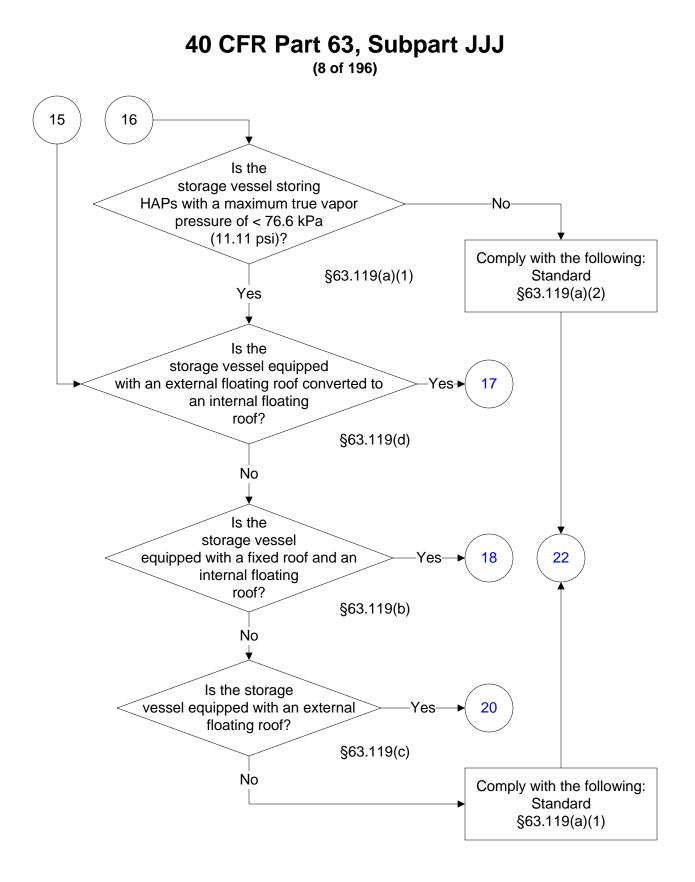
Last Modified: July 25, 2013 From 40 CFR Part 63, Subpart JJJ, Amended November 19, 2020 These flowcharts are for use by sources subject to the Federal Operating Permits Program only and are subject to change. \*\*\*







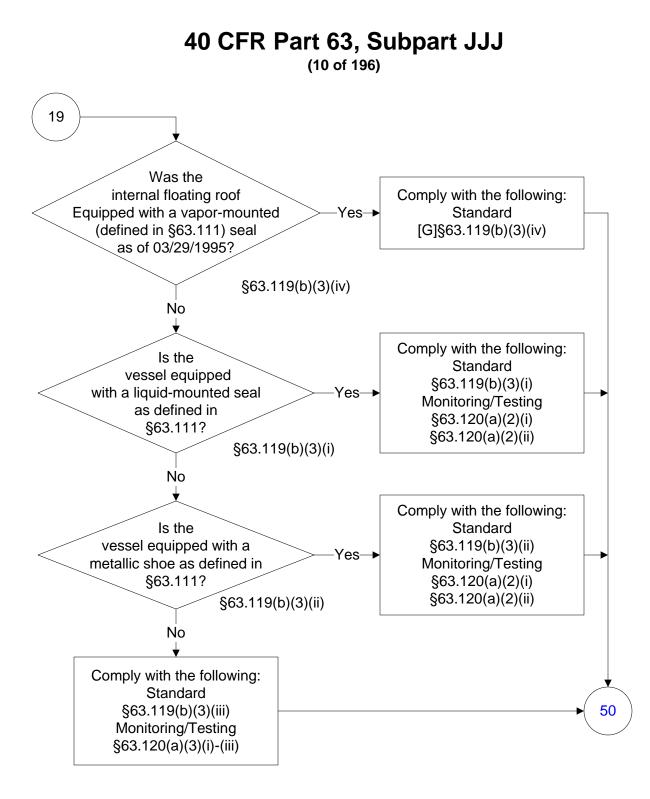




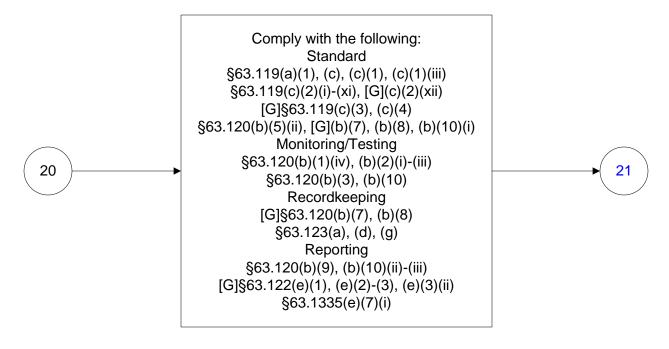
#### 40 CFR Part 63, Subpart JJJ (9 of 196) 17 18 Comply with the following: Comply with the following: Standard Standard §63.119(a)(1), [G](b)(1), (b)(2) §63.119(a)(1), (b), [G](b)(1) §63.119(c)(2)(i)-(xi), [G](c)(2)(xii) §63.119(b)(2), (b)(4) §63.119(d) §63.119(b)(5)(i)-(vii), [G](b)(5)(viii) §63.120(a)(4), (a)(7) §63.119(b)(6) Recordkeeping §63.120(a)(4), (a)(7) 19 Recordkeeping §63.120(a)(4) §63.123(a), (e), (g) §63.120(a)(4) Reporting §63.123(a), (c), (g) §63.120(a)(5), (a)(6) Reporting §63.122(d), (d)(1)(ii)-(iii) §63.120(a)(5), (a)(6) §63.122(d)(2)(ii), (f) §63.122(d), (d)(1)(ii)-(iii), (d)(2)(ii)

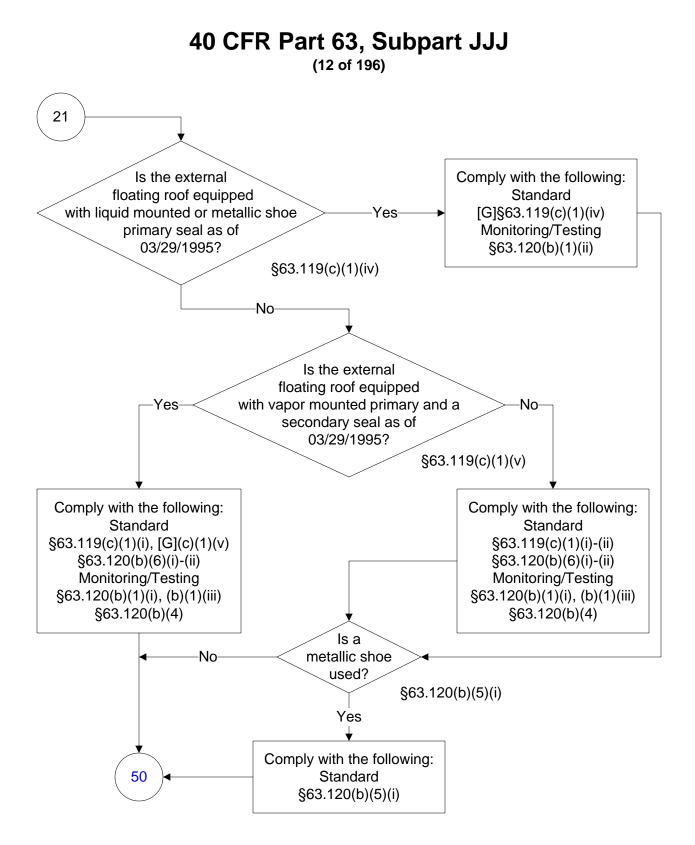
§63.1335(e)(7)(i)

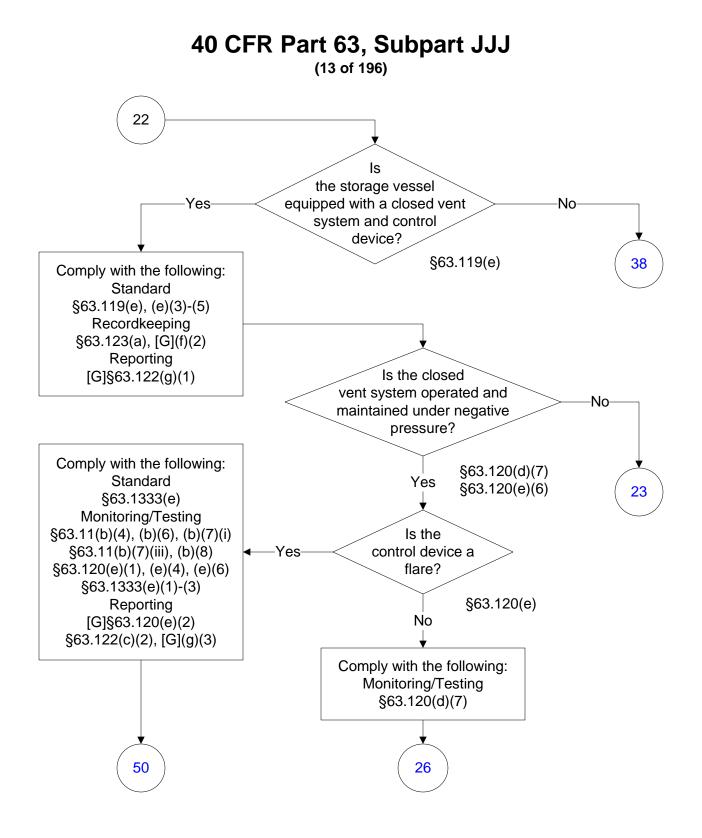
§63.1335(e)(7)(i)



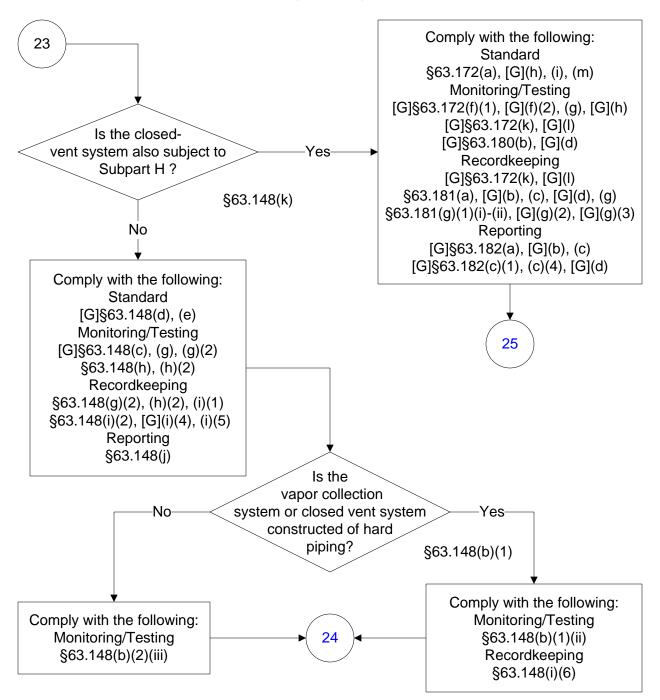
### (11 of 196)

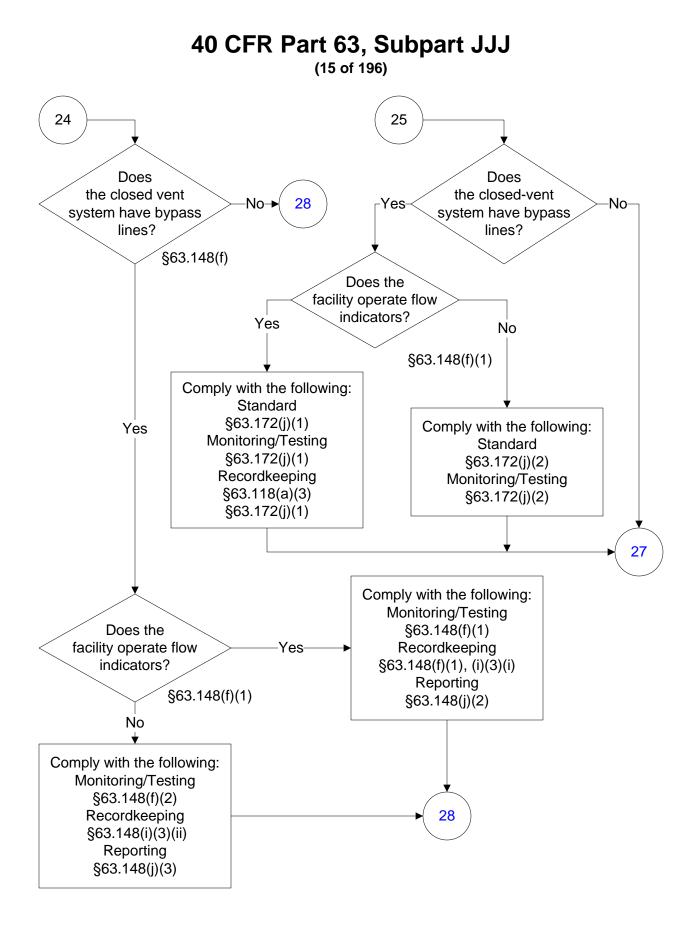


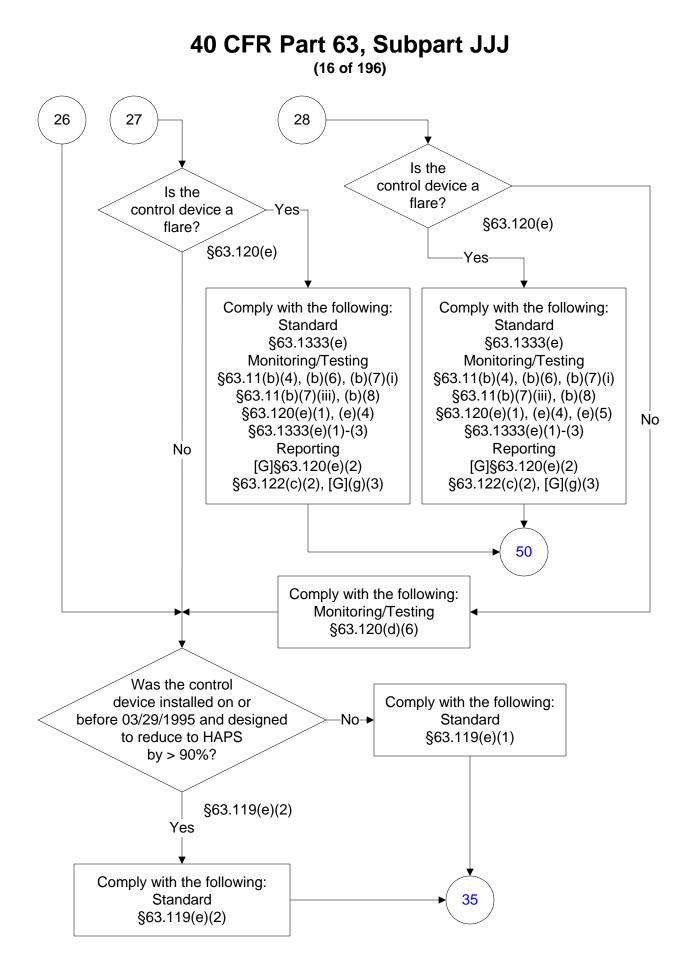


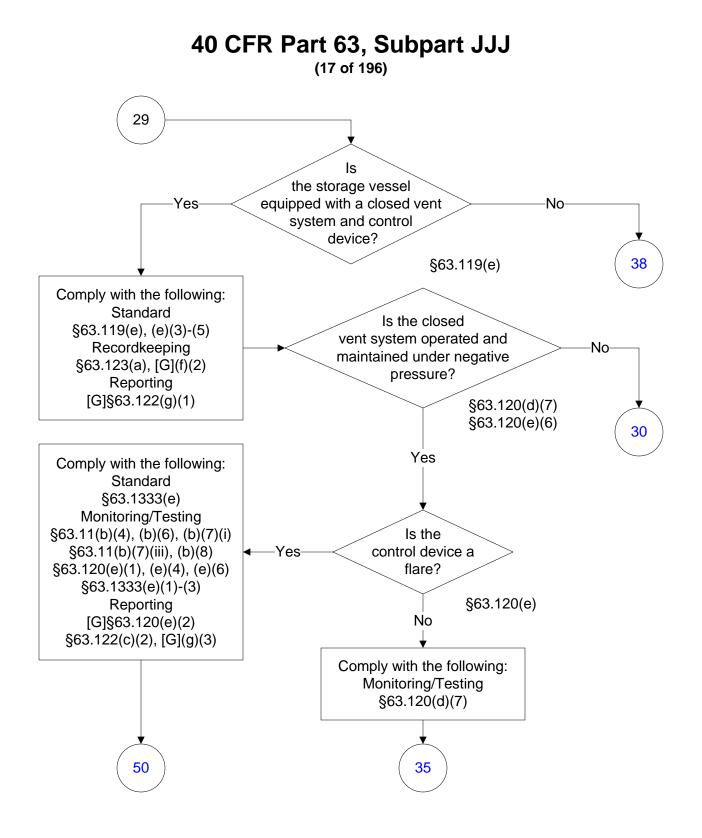


(14 of 196)

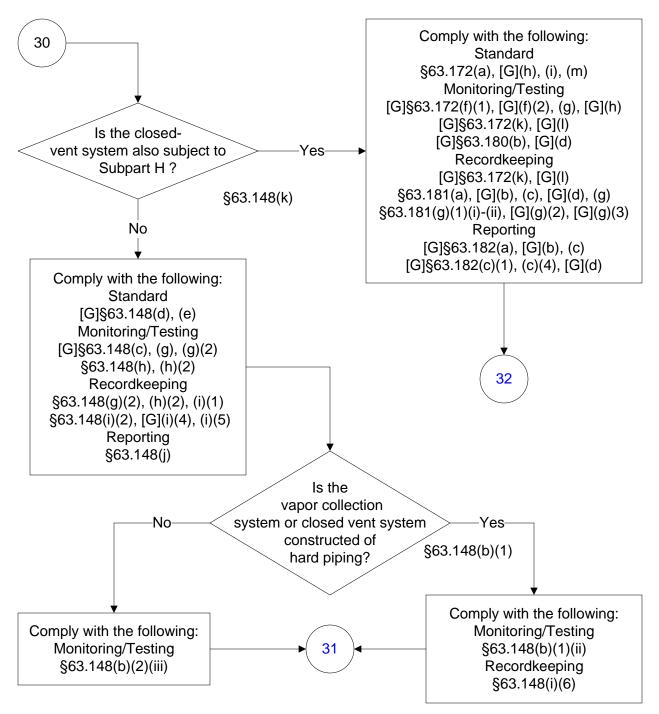


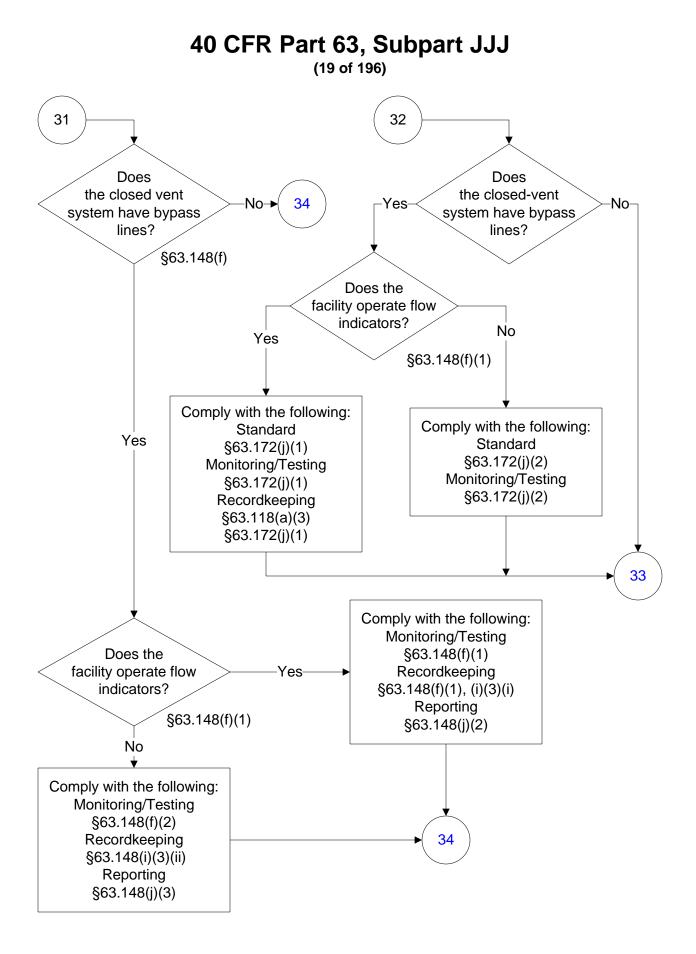


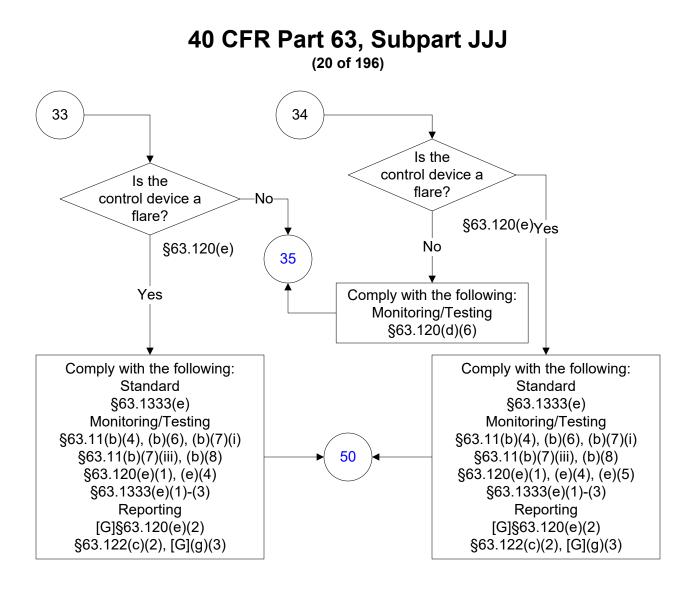


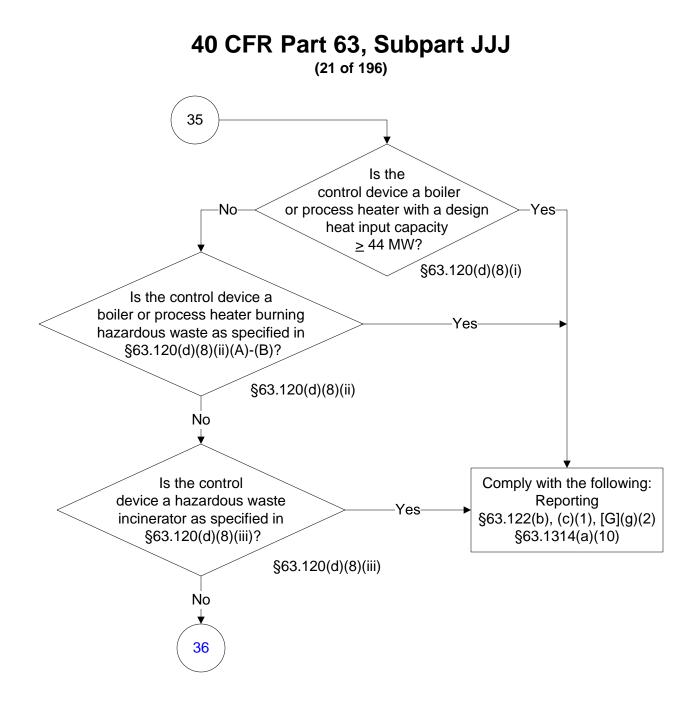


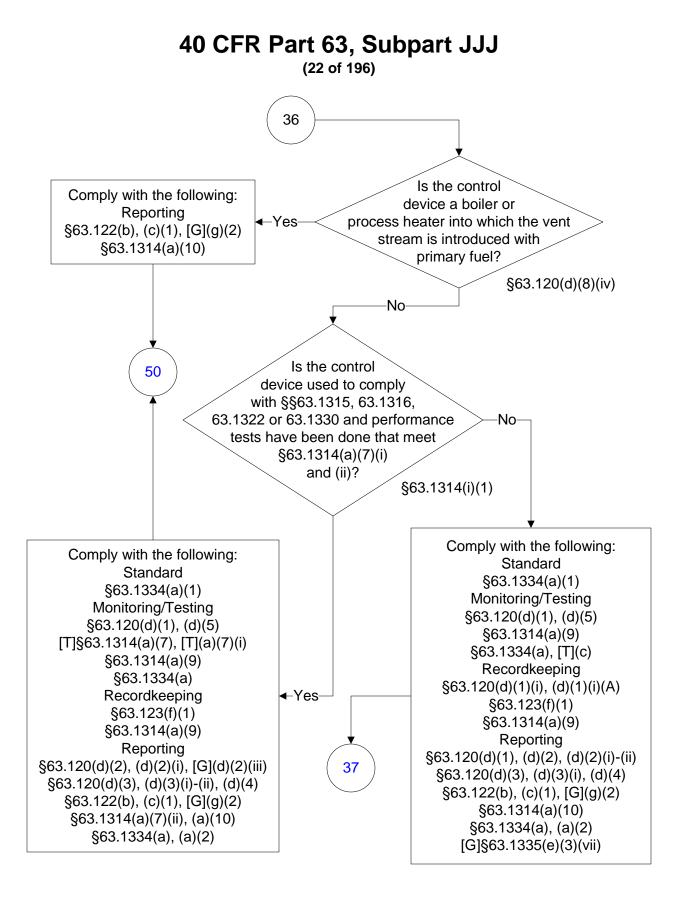
(18 of 196)

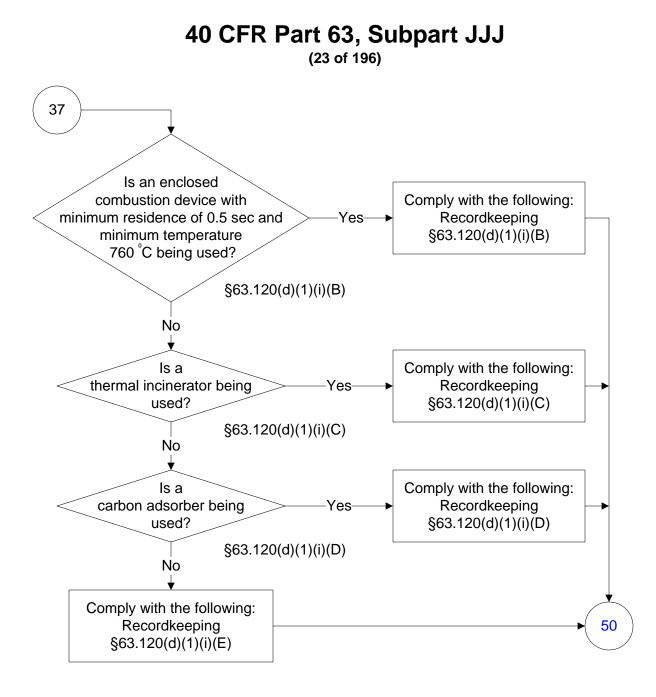


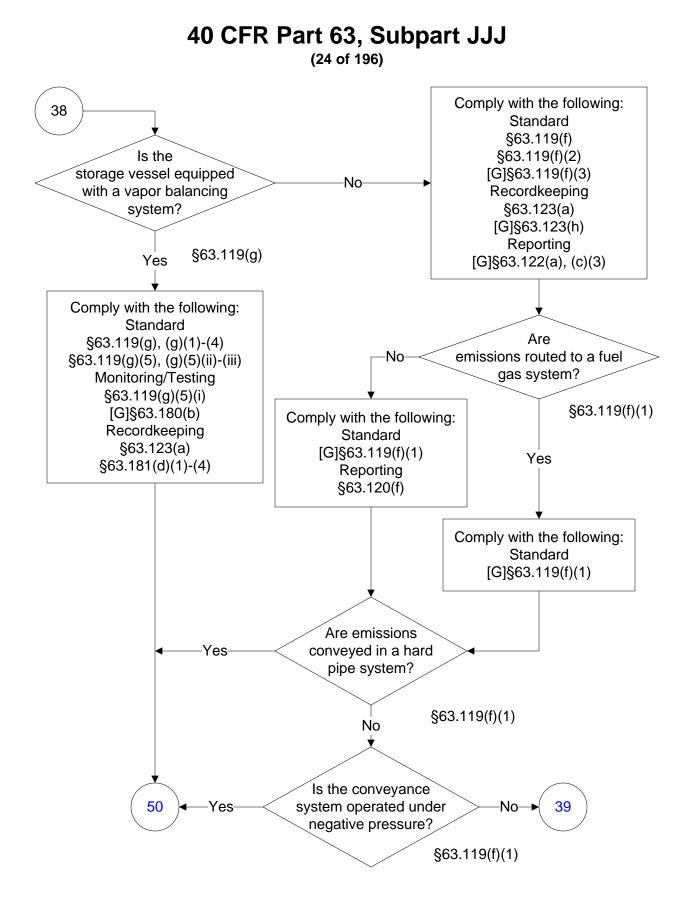


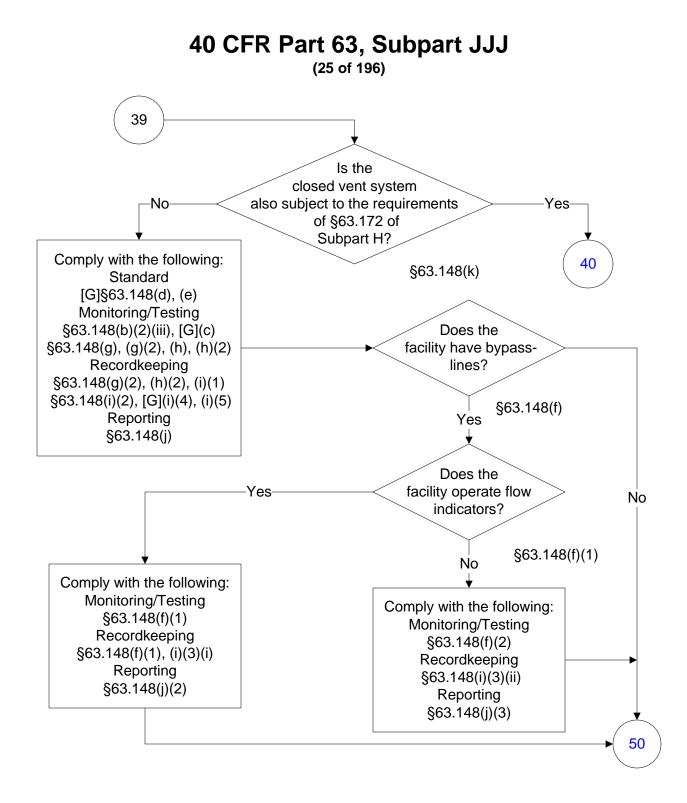


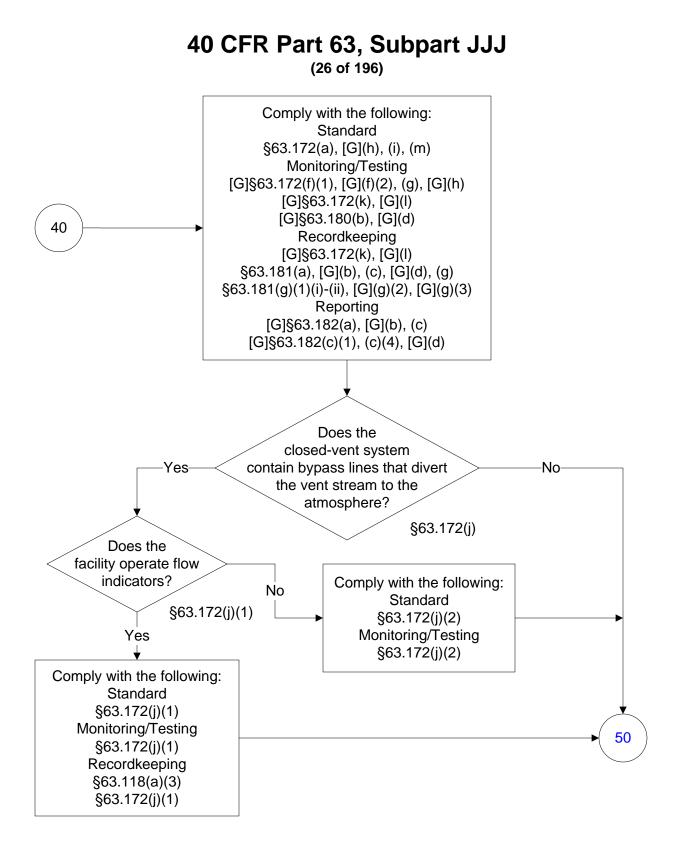


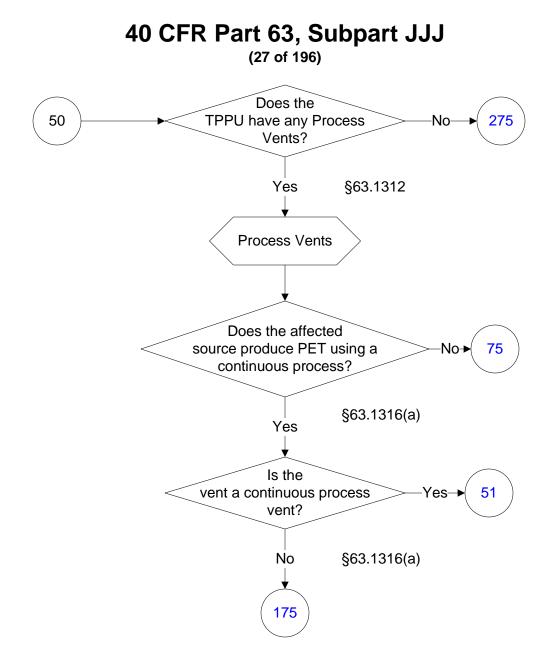


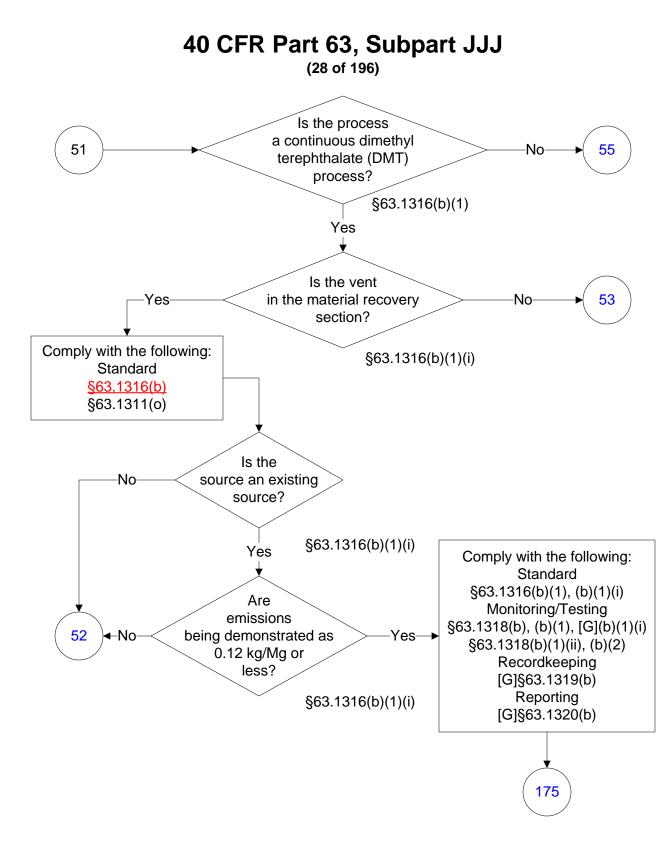


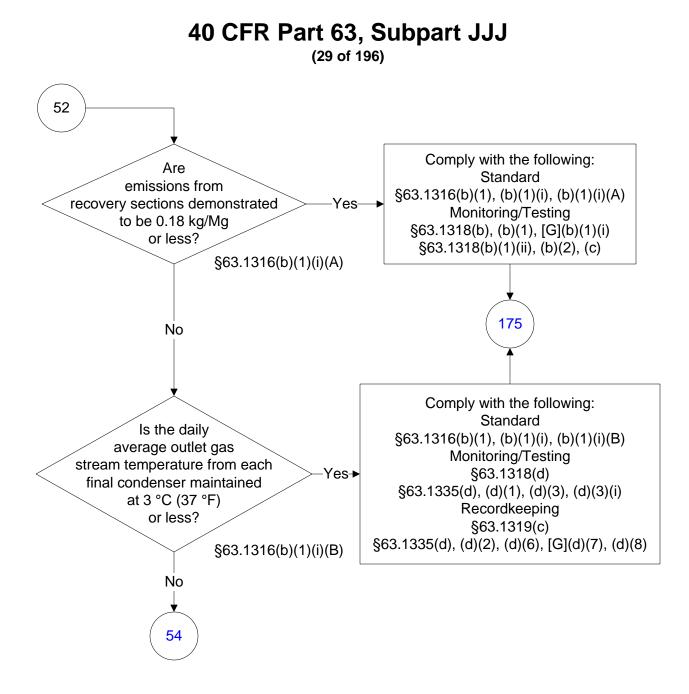


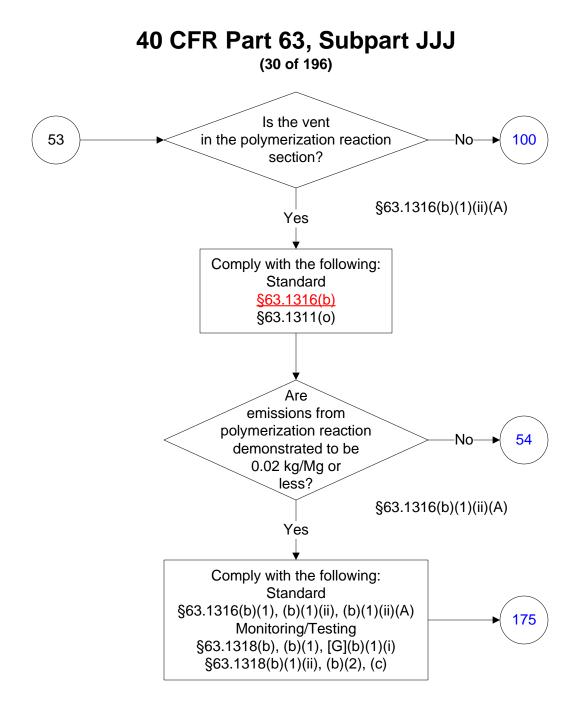


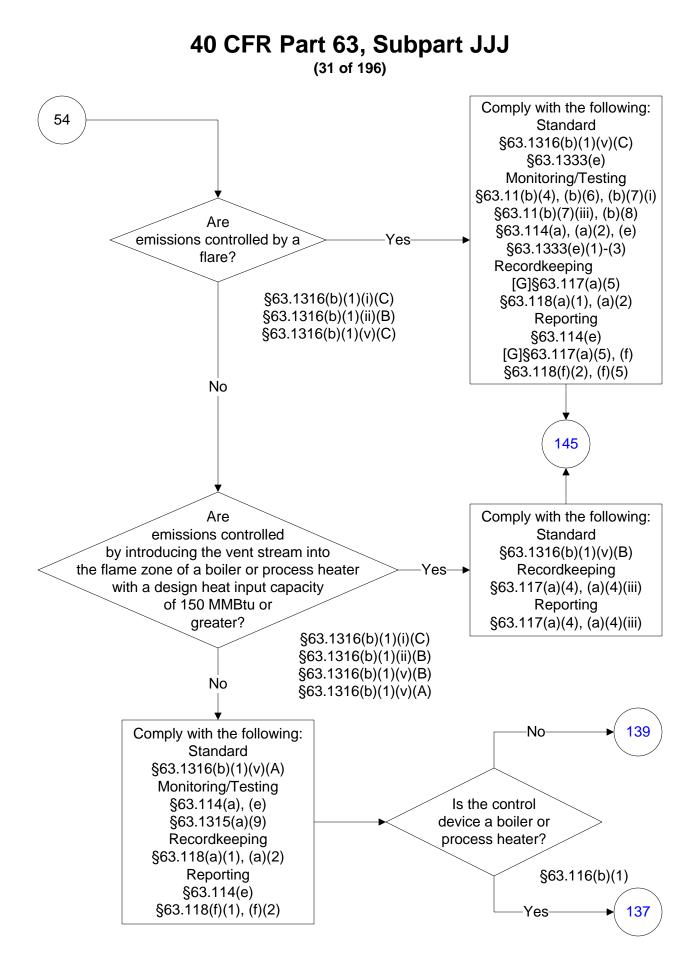




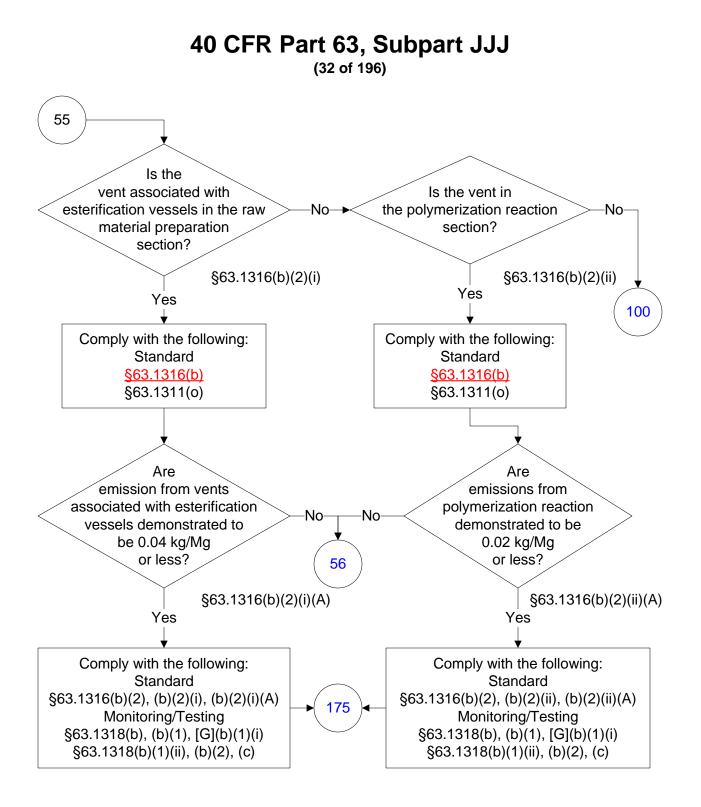


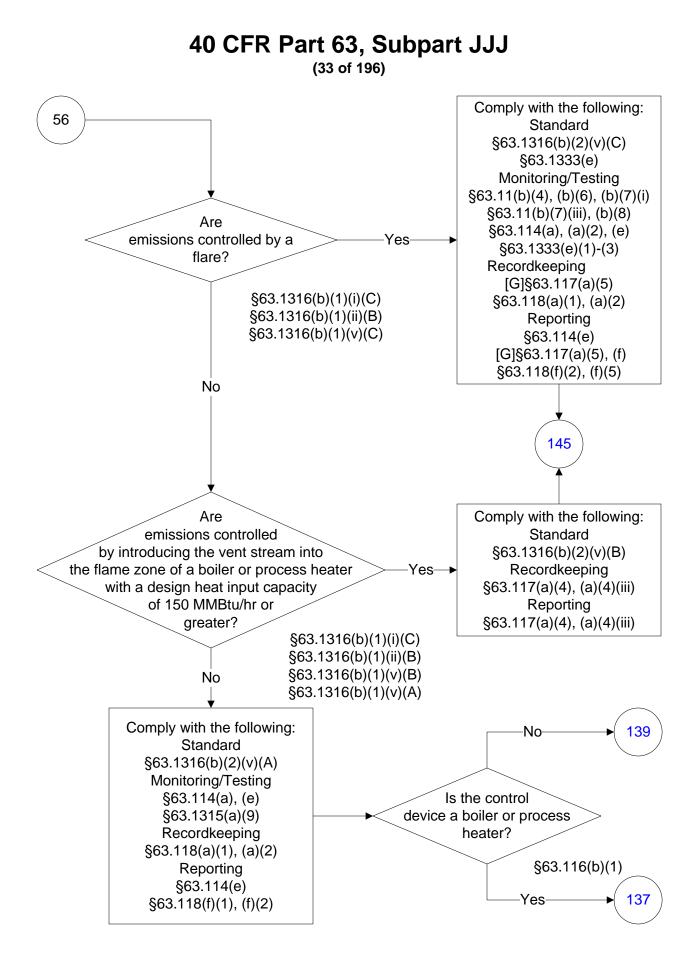


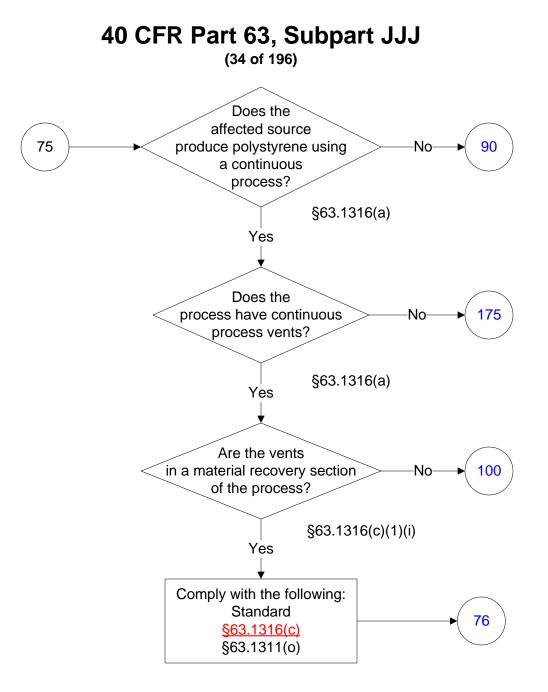


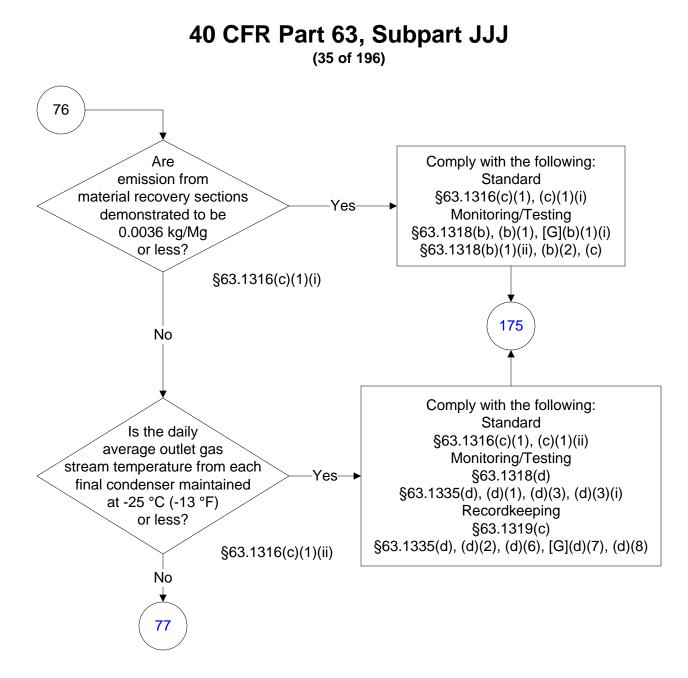


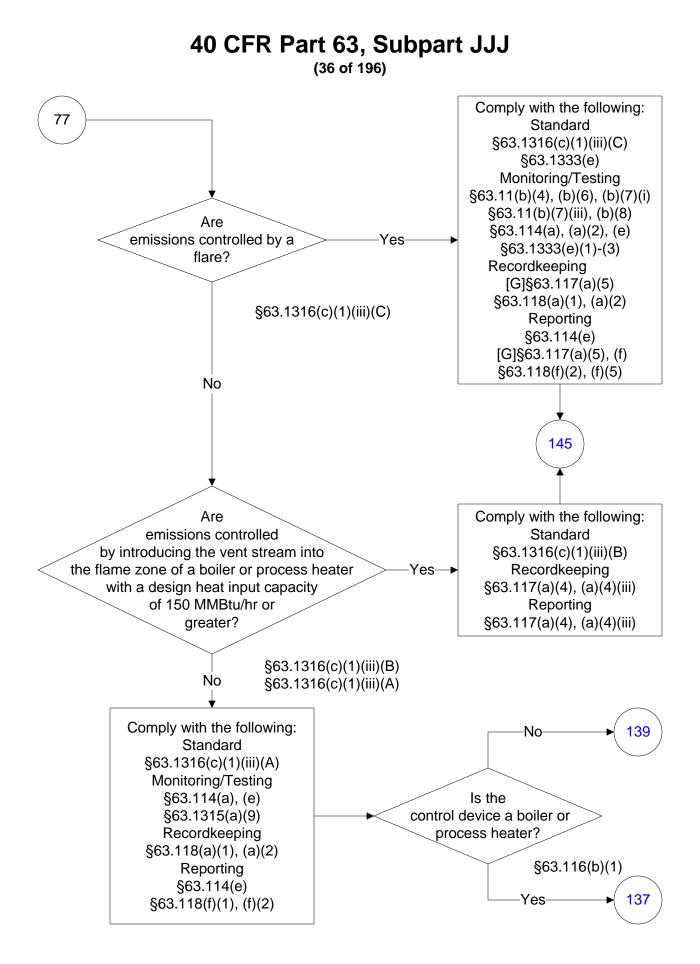
Last Modified: July 25, 2013 From 40 CFR Part 63, Subpart JJJ, Amended November 19, 2020 These flowcharts are for use by sources subject to the Federal Operating Permits Program only and are subject to change. \*\*\*

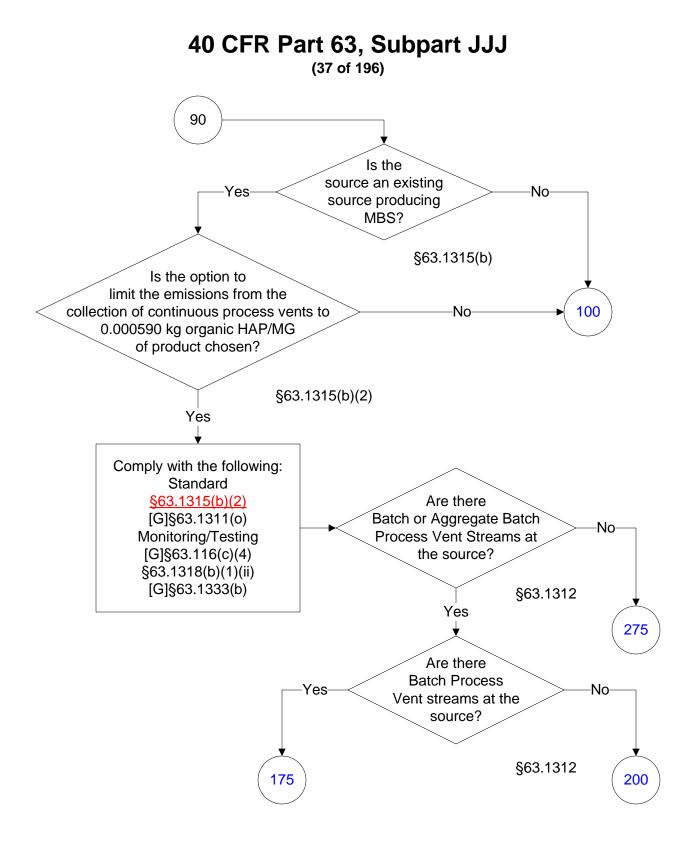


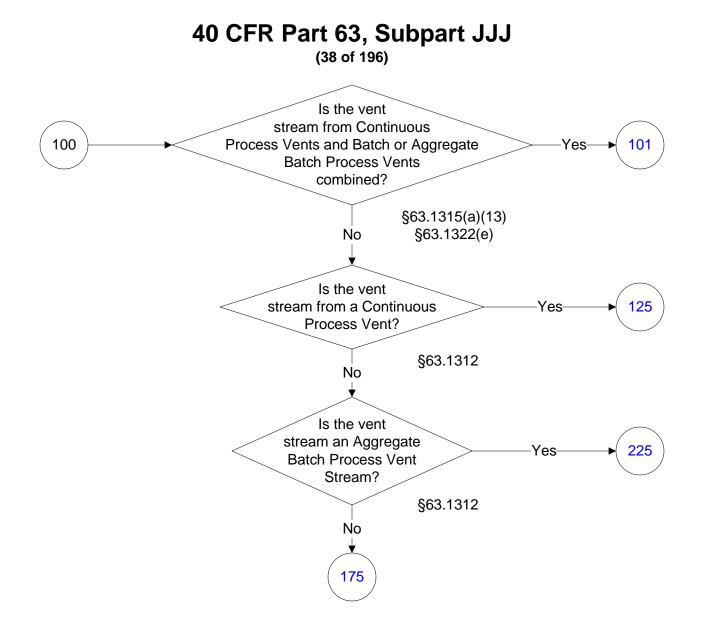


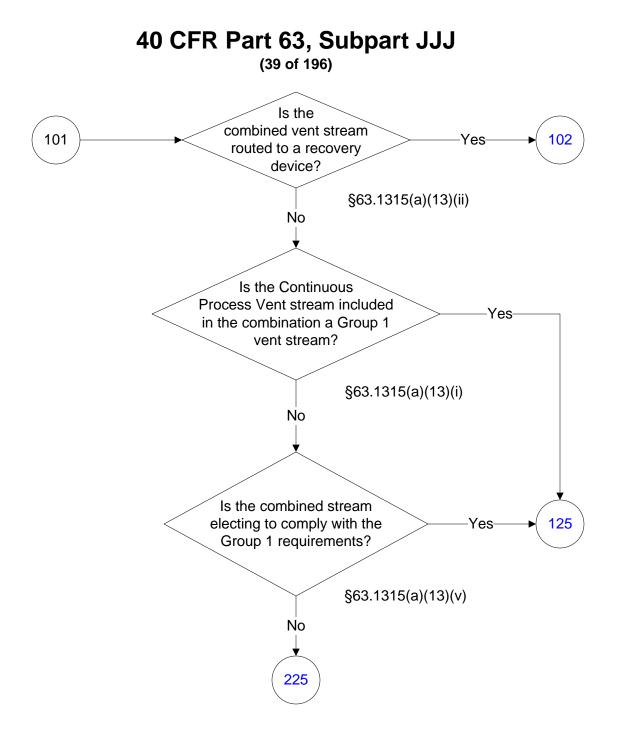


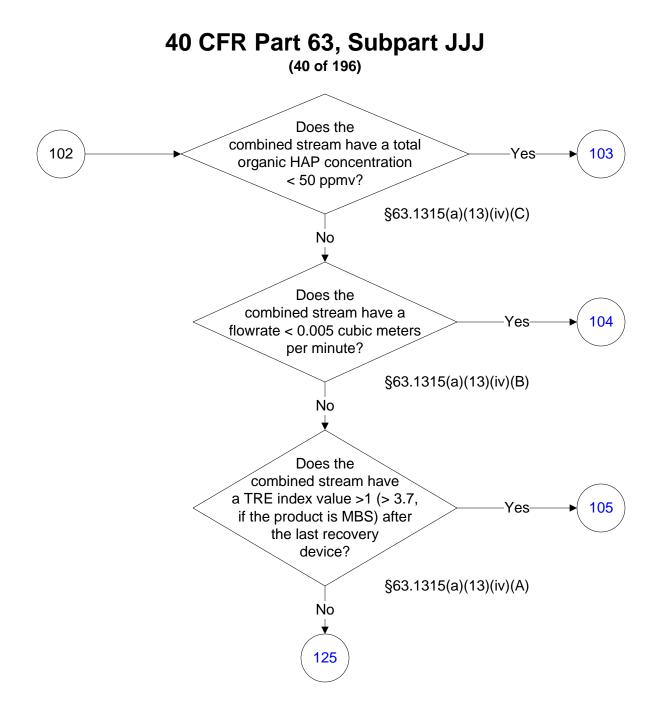


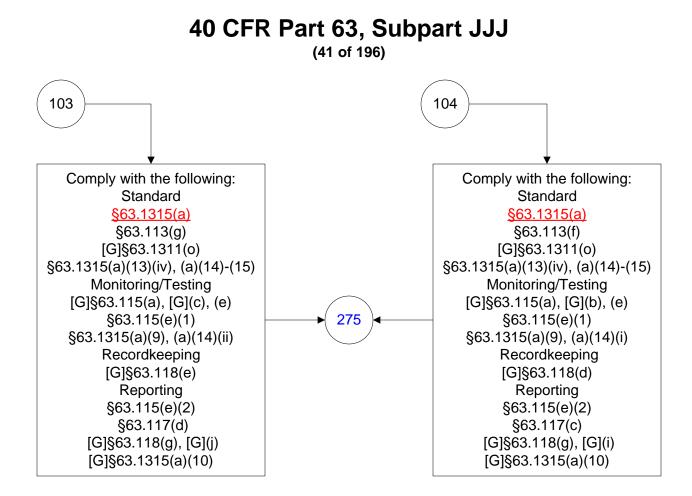


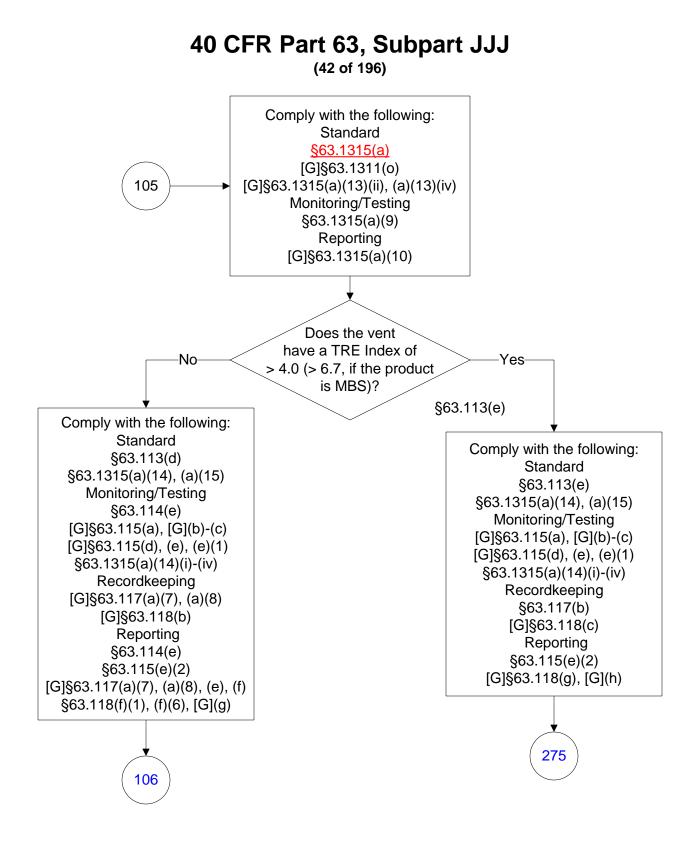


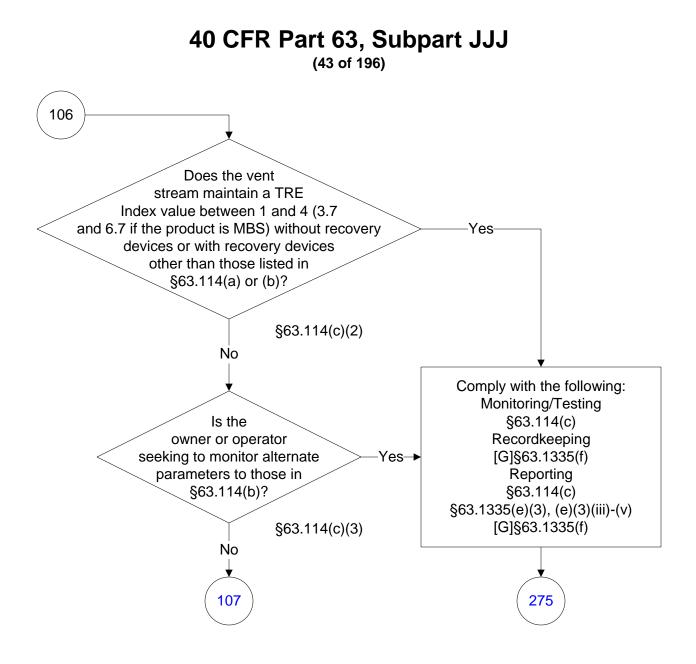






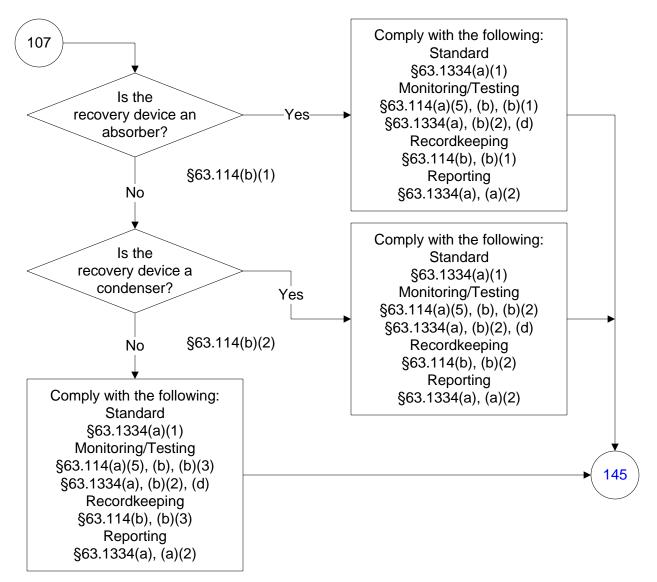


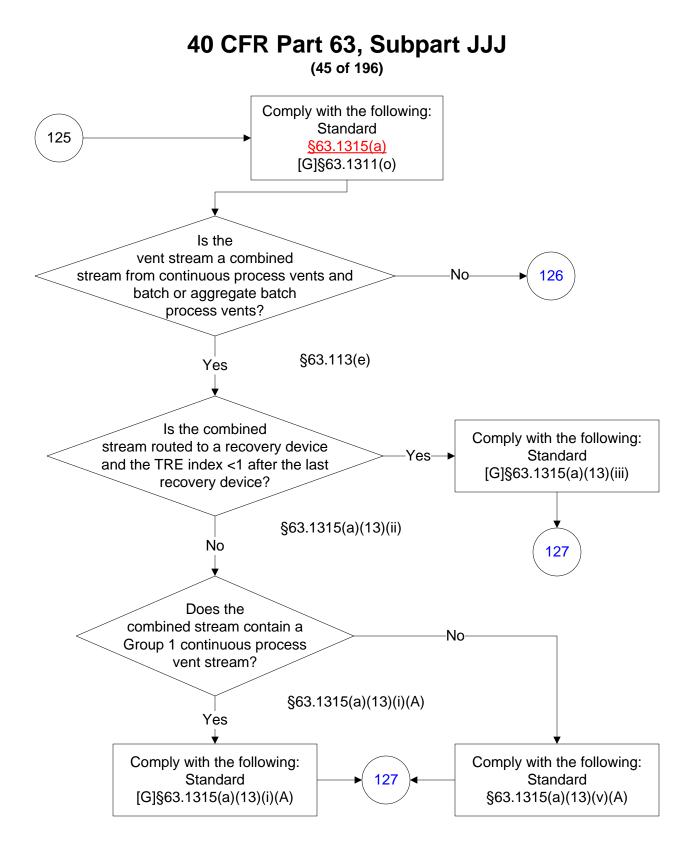


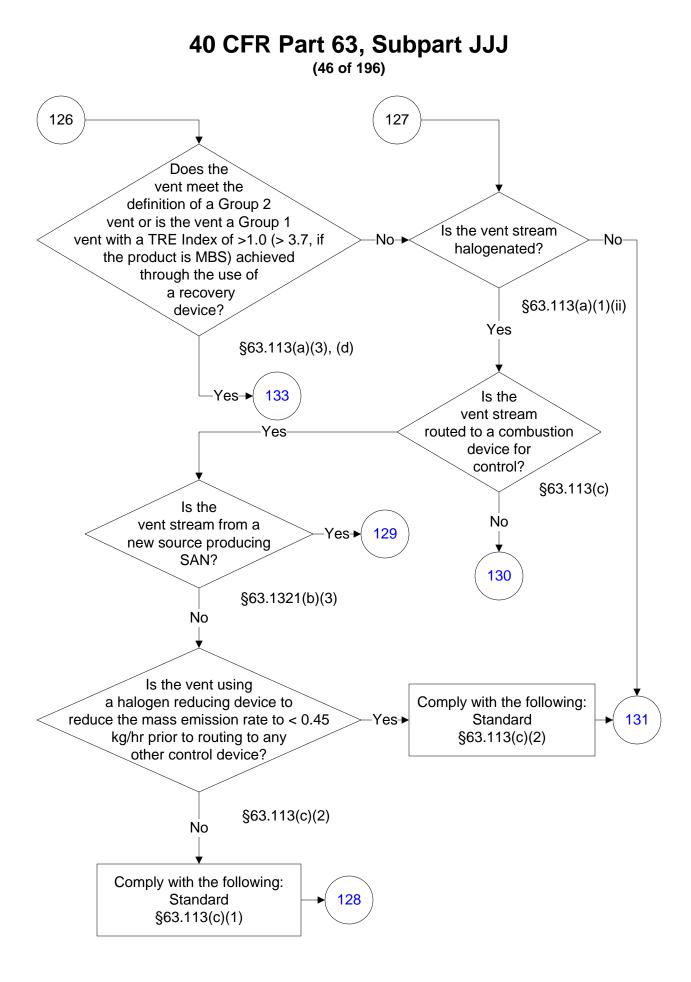


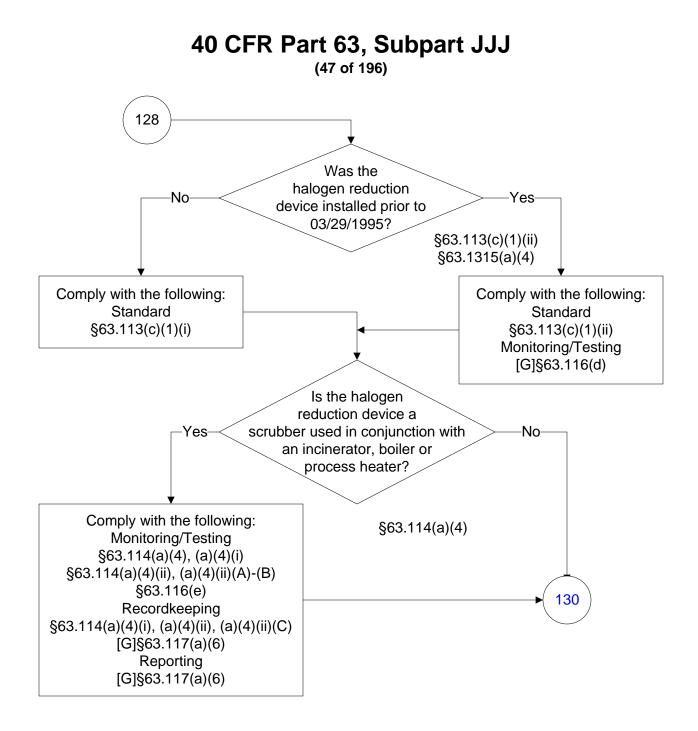
## 40 CFR Part 63, Subpart JJJ

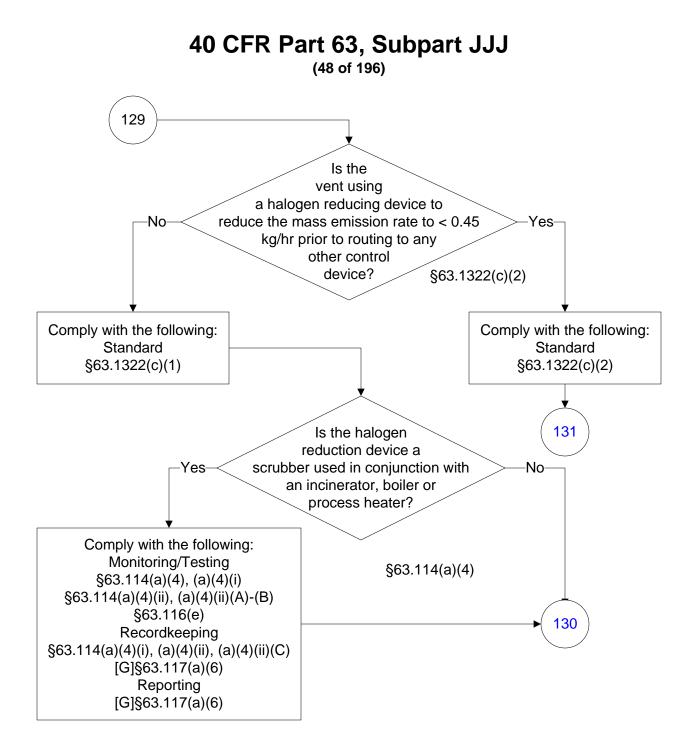


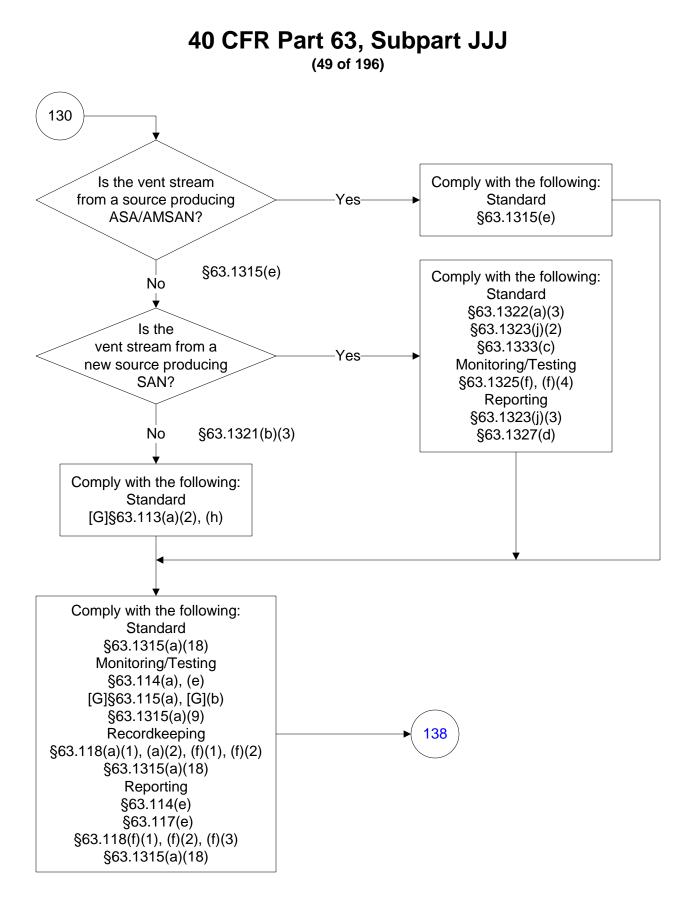


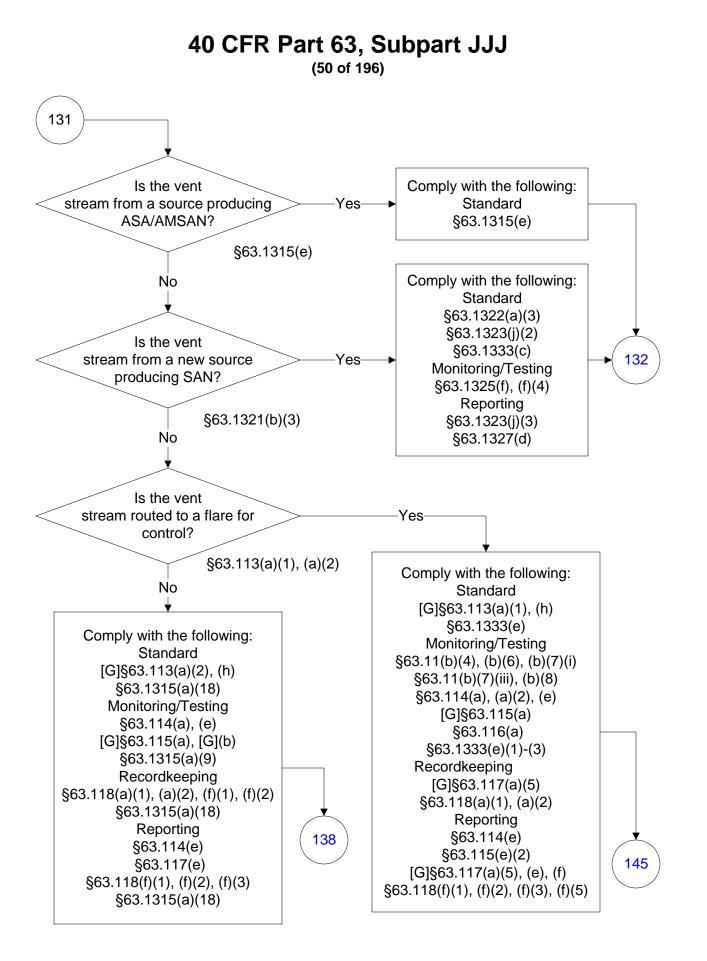






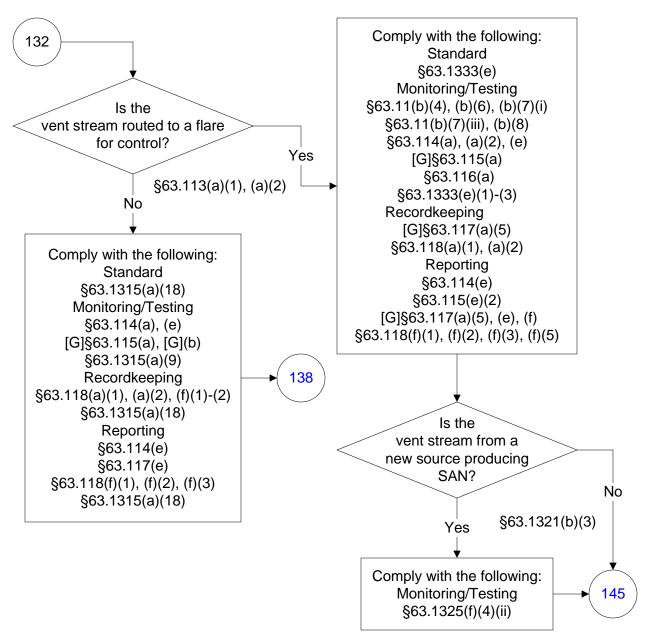


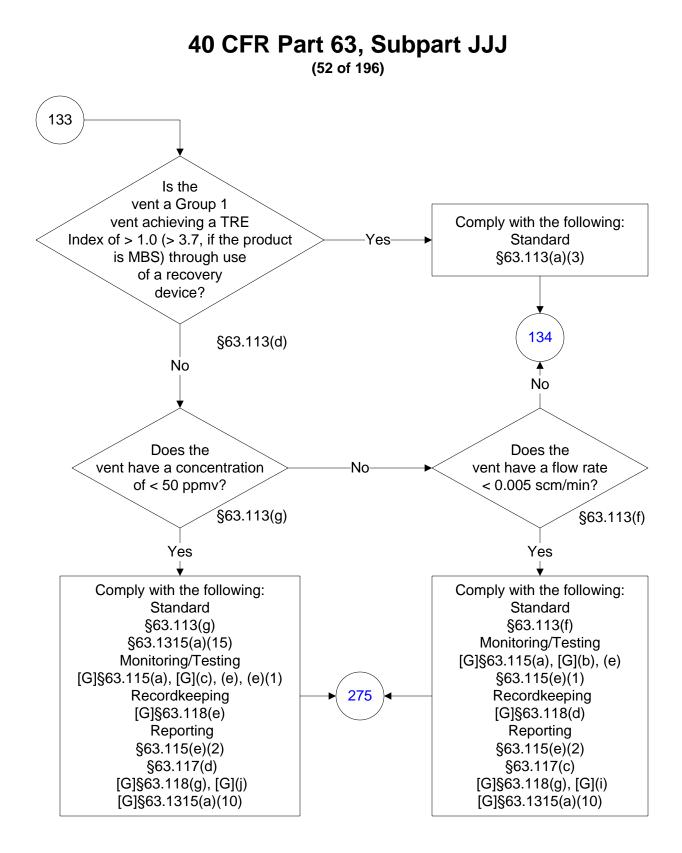


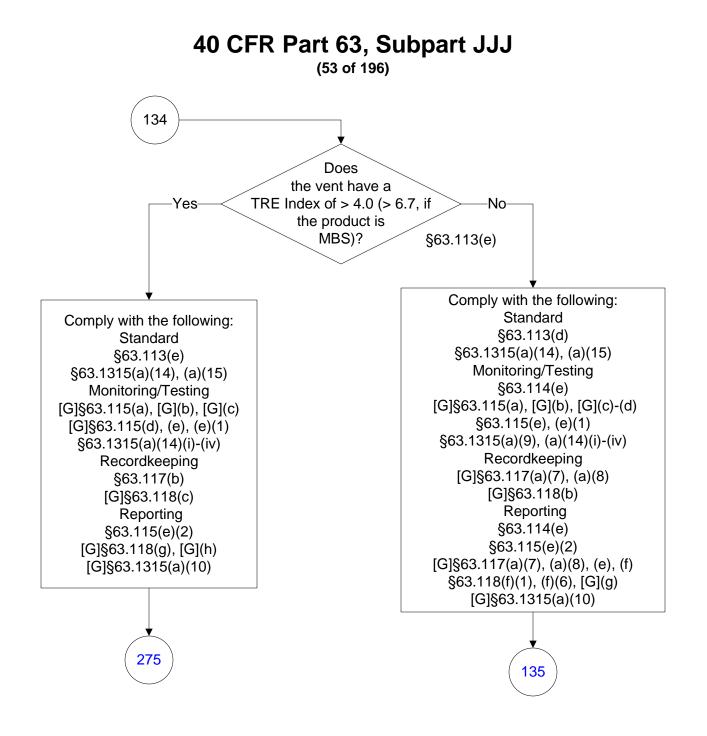


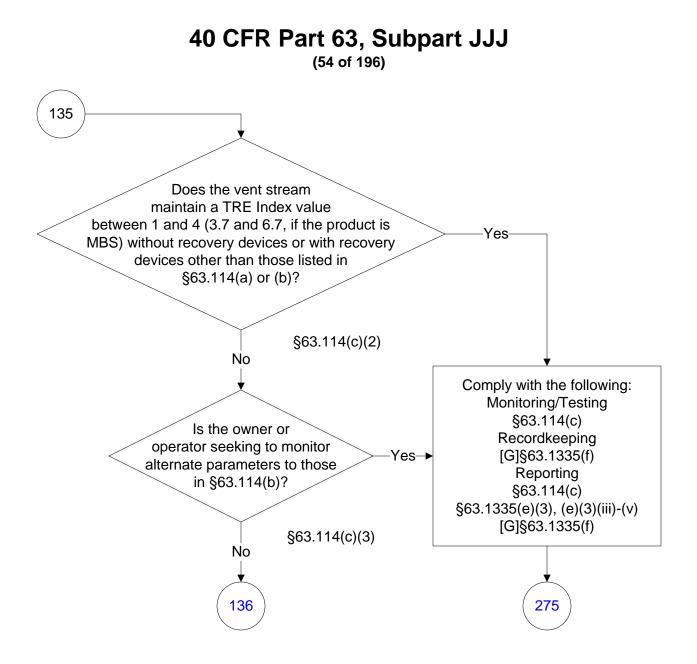
## 40 CFR Part 63, Subpart JJJ



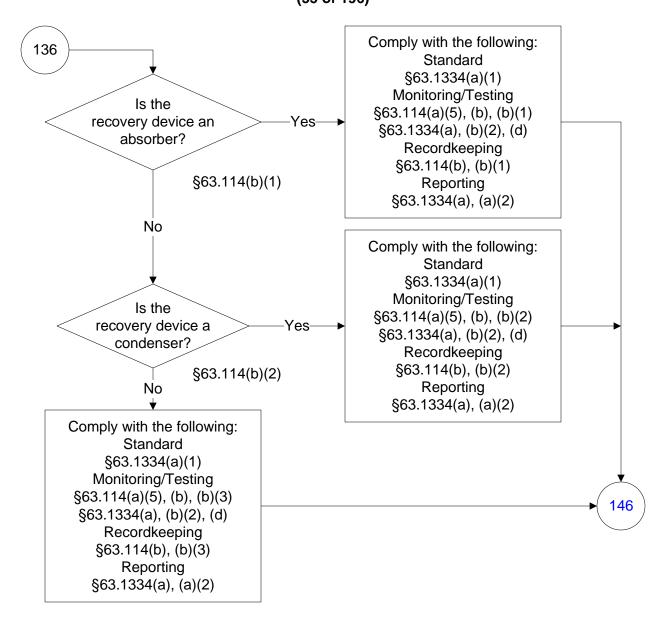


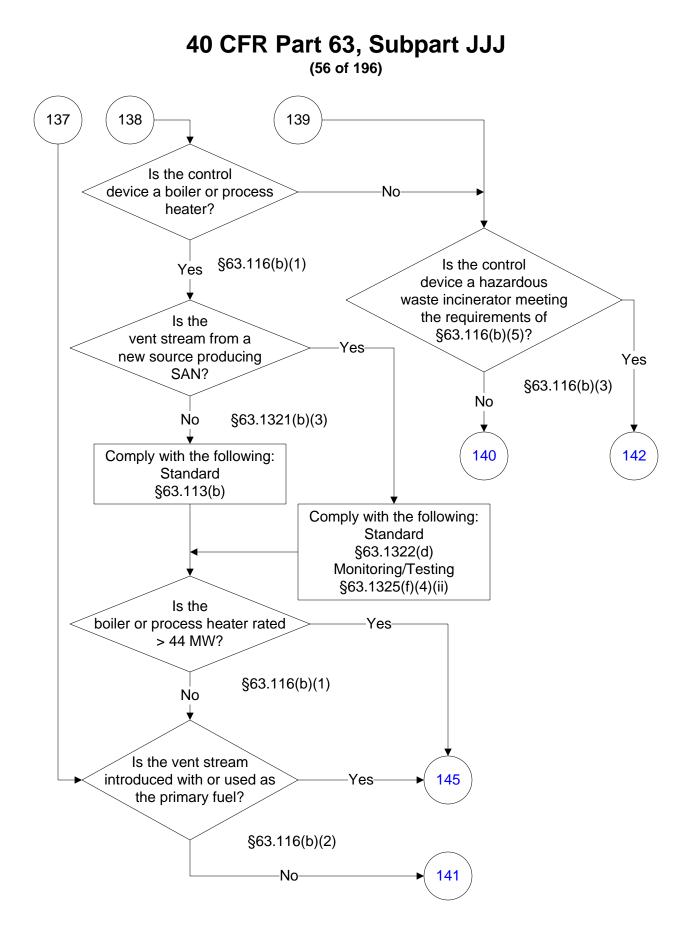


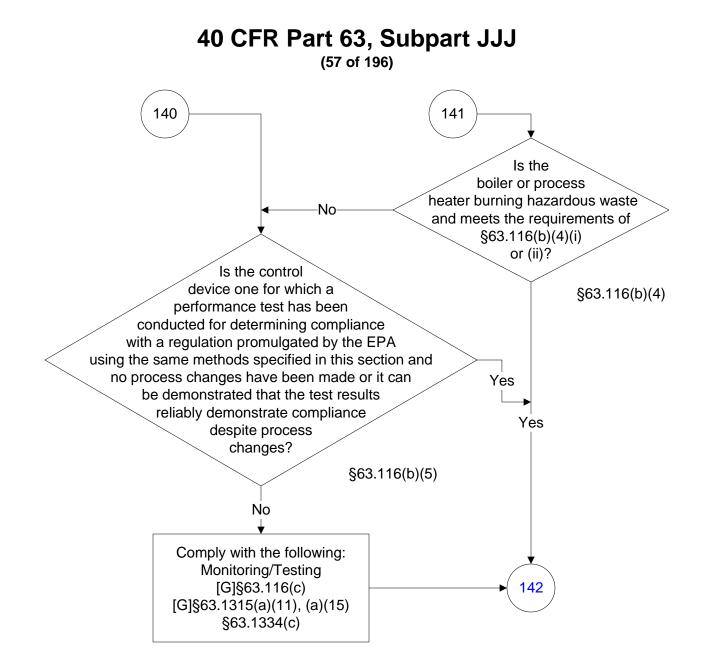


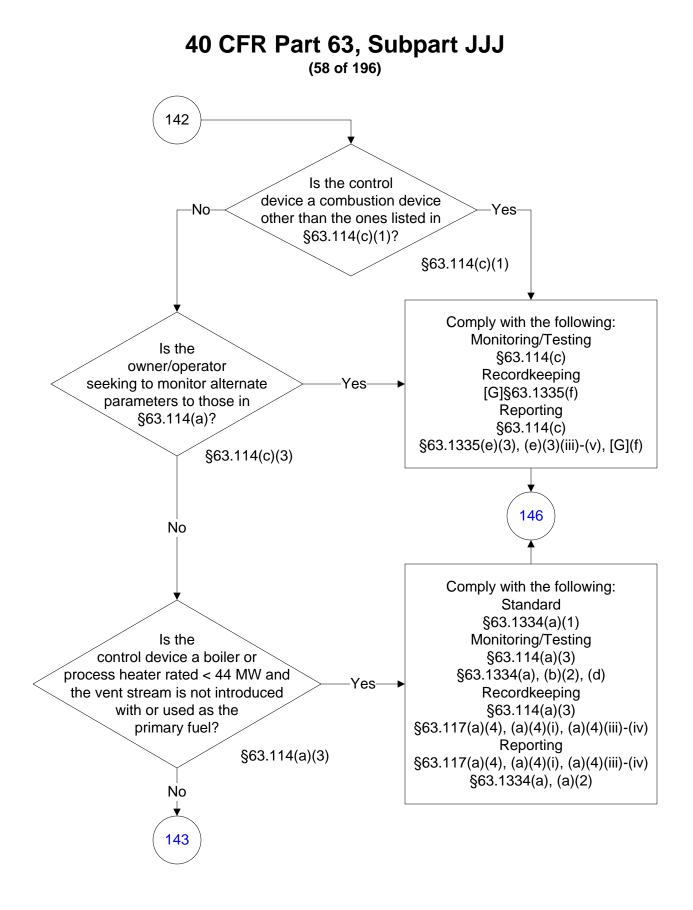


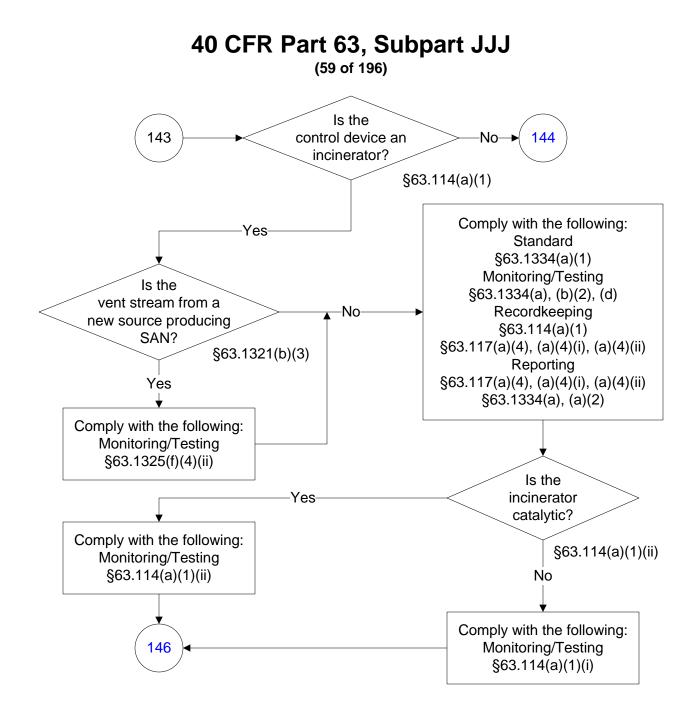
## 40 CFR Part 63, Subpart JJJ (55 of 196)

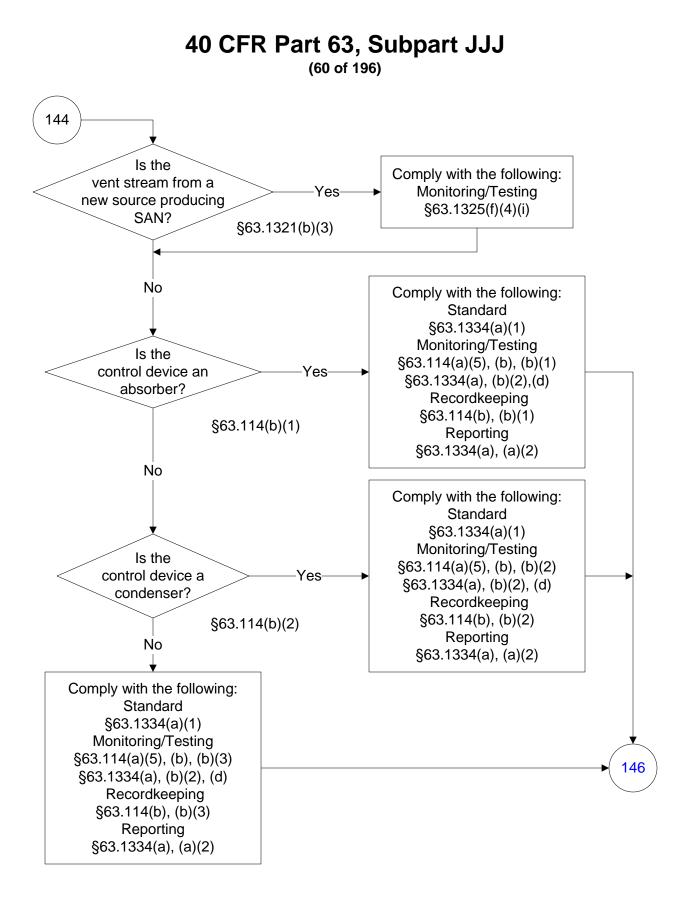


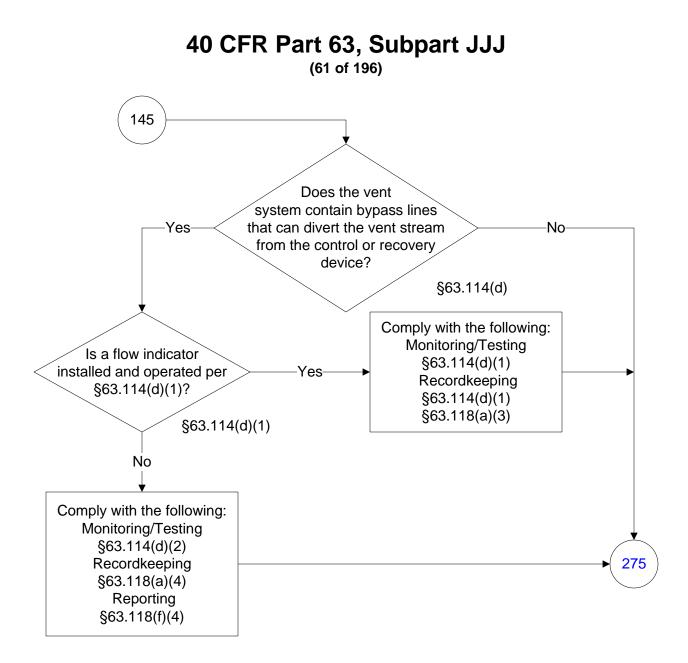


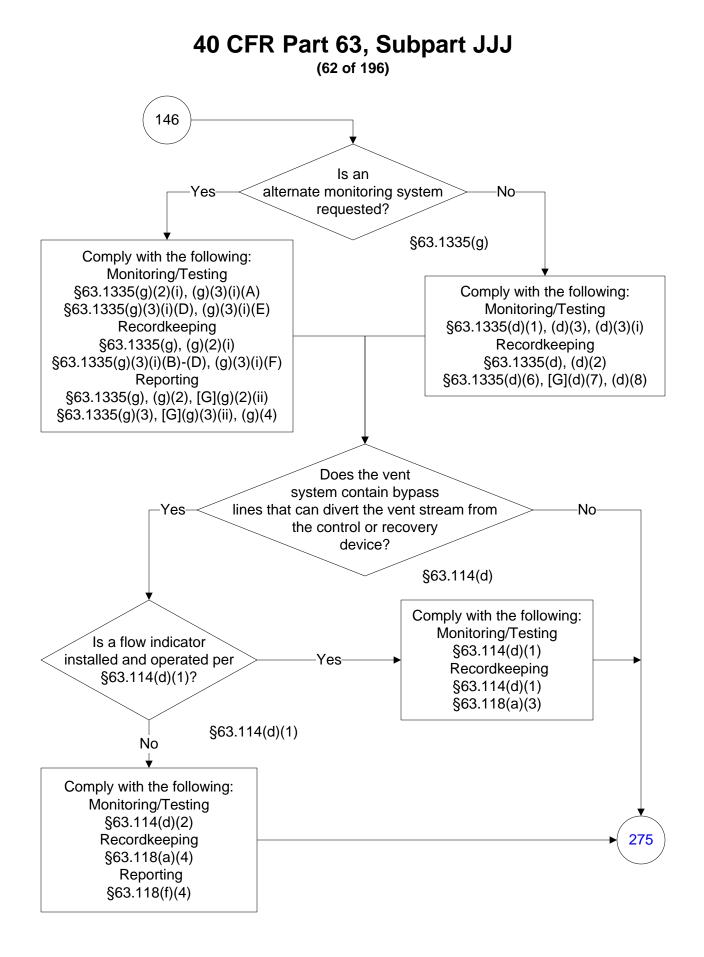


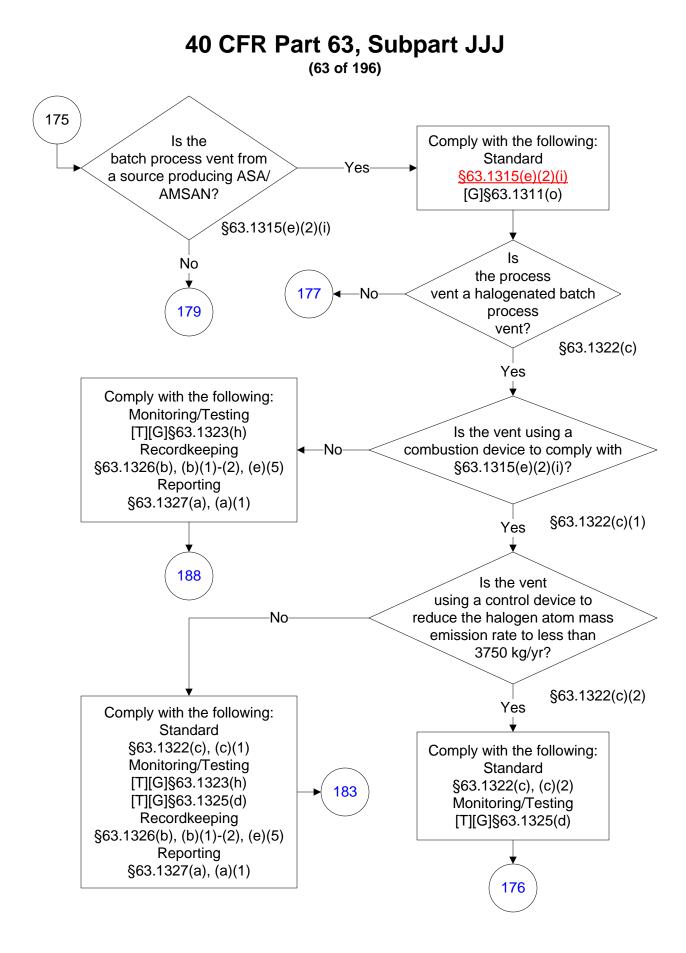


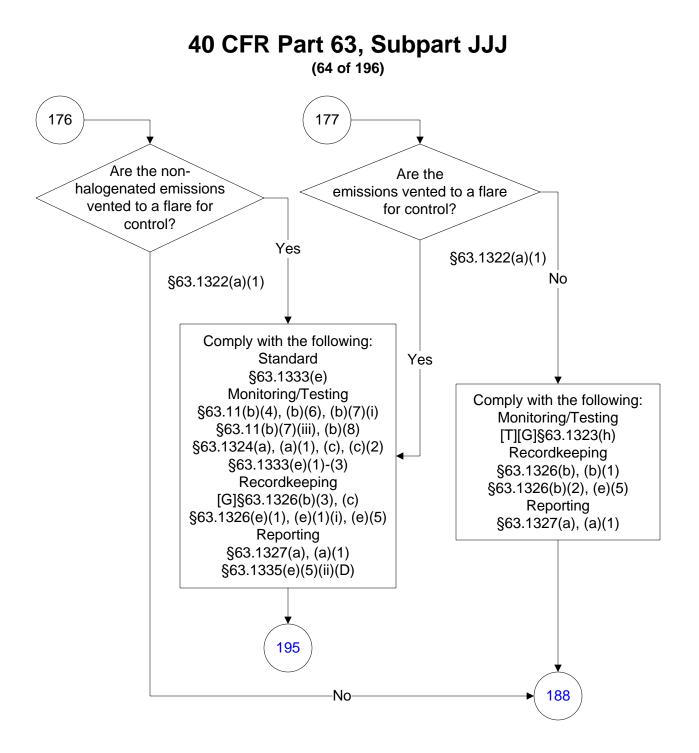


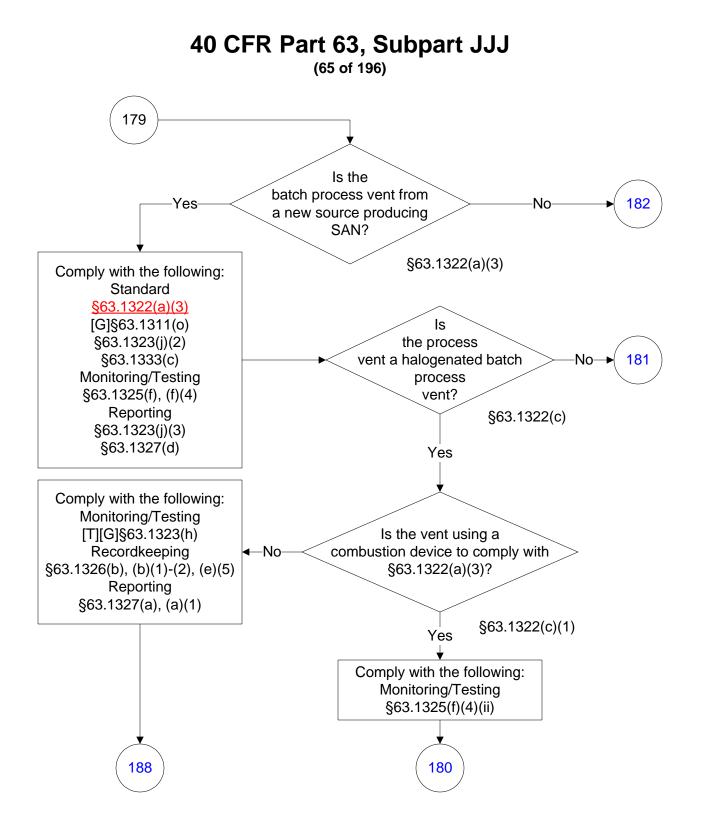


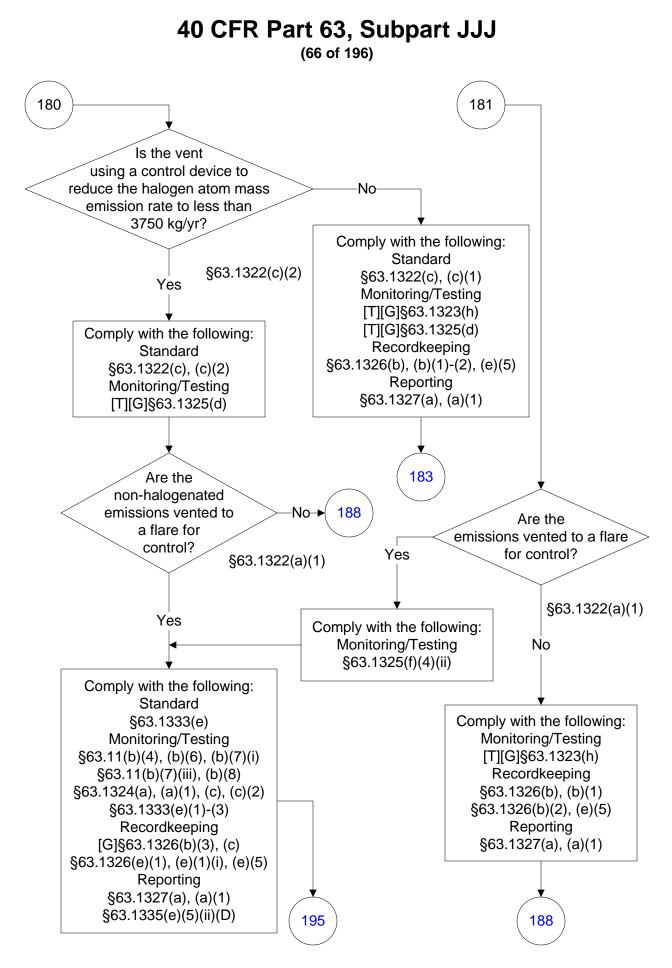




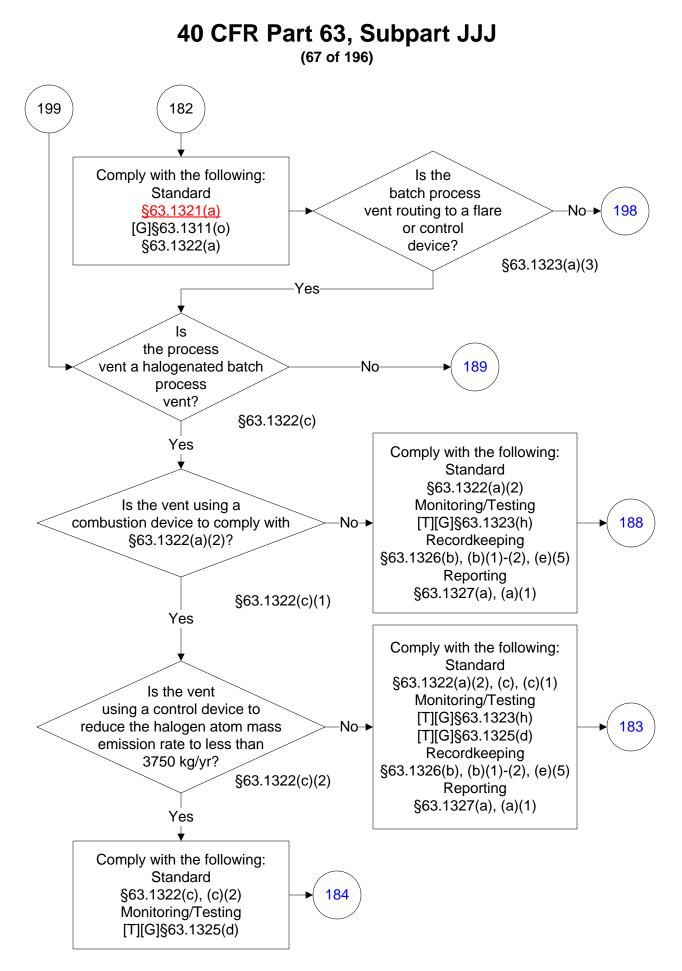


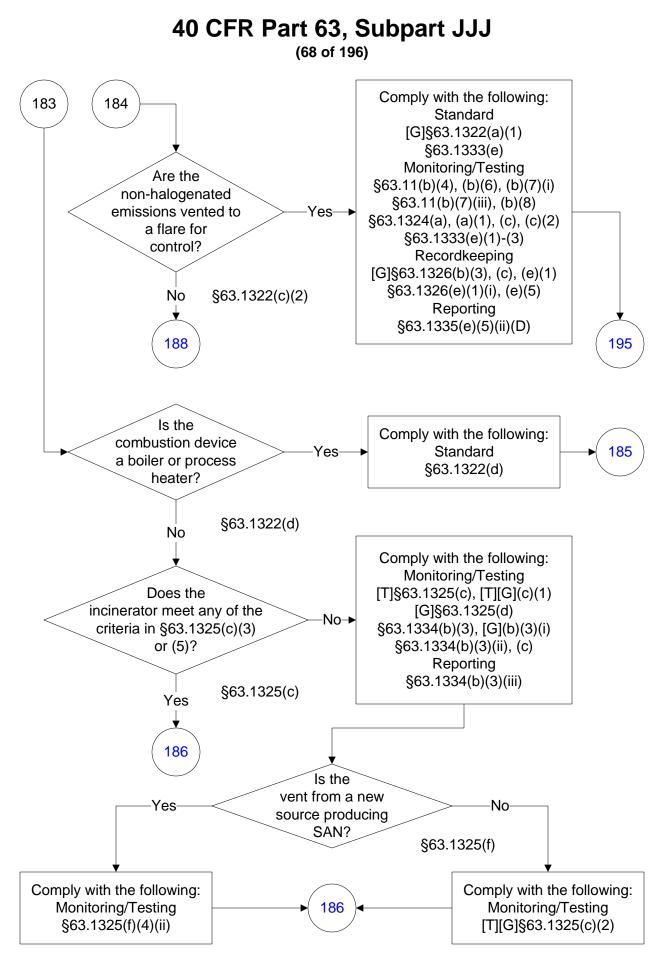


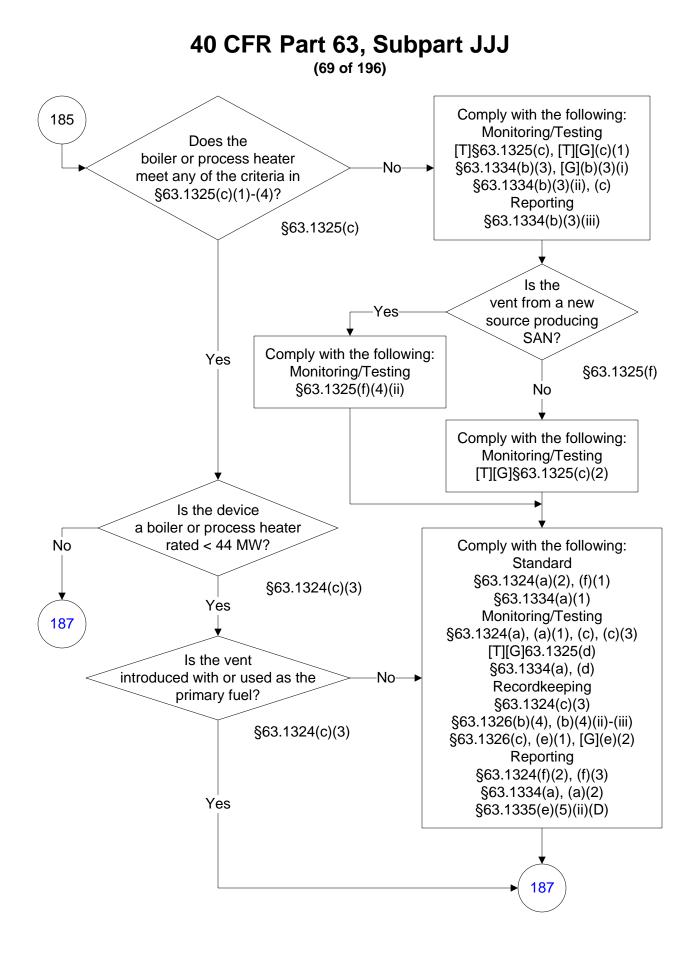


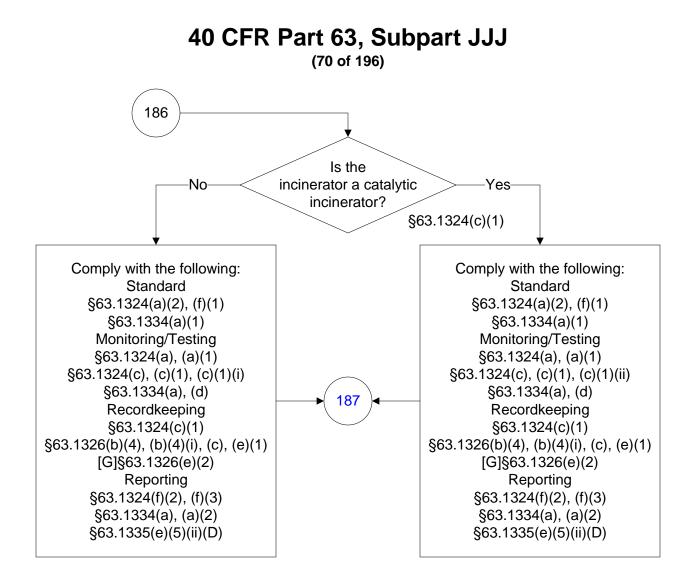


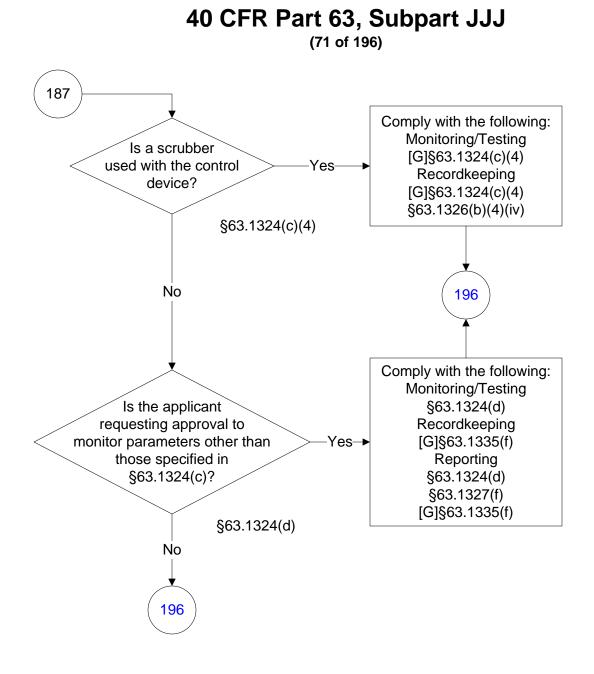
Last Modified: July 25, 2013 From 40 CFR Part 63, Subpart JJJ, Amended November 19, 2020 These flowcharts are for use by sources subject to the Federal Operating Permits Program only and are subject to change. \*\*\*

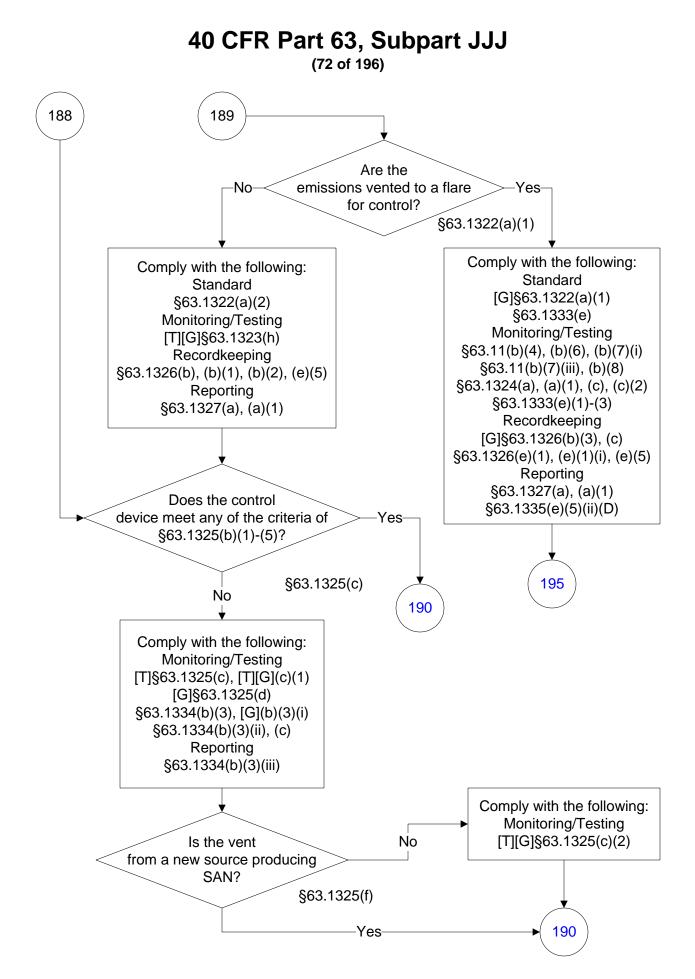




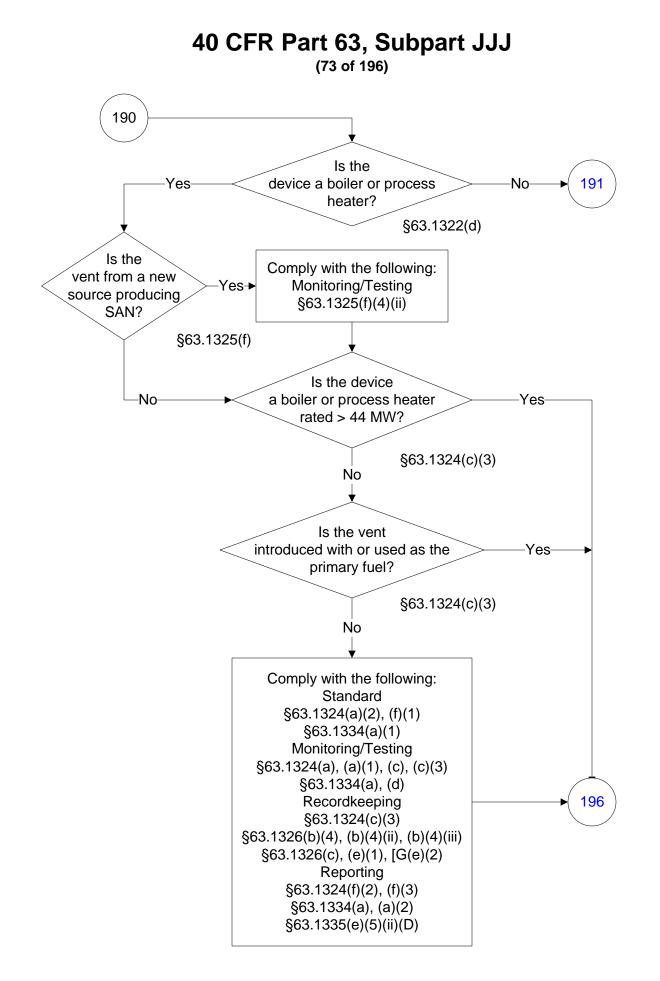


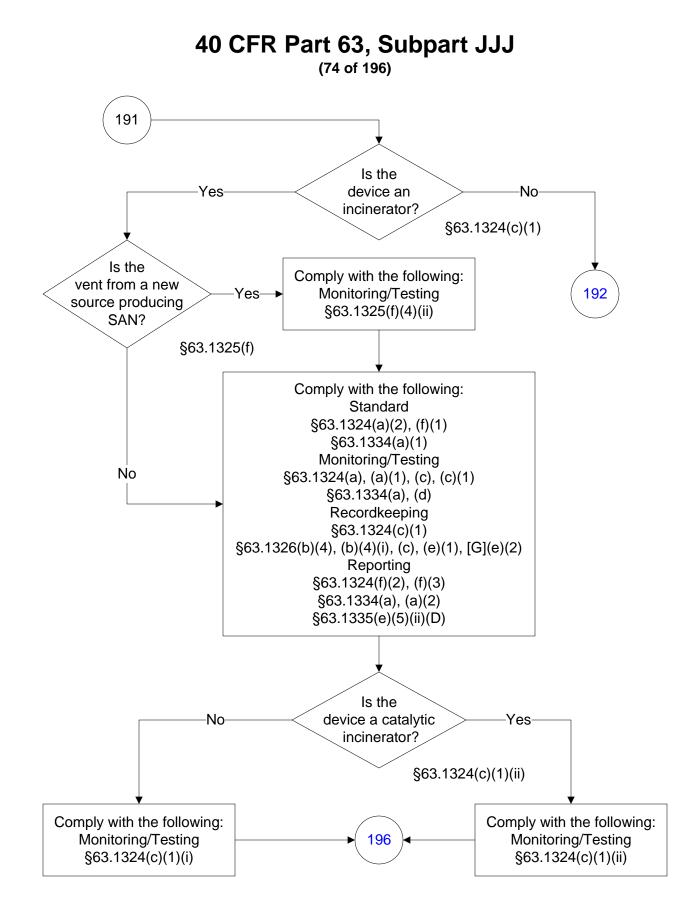


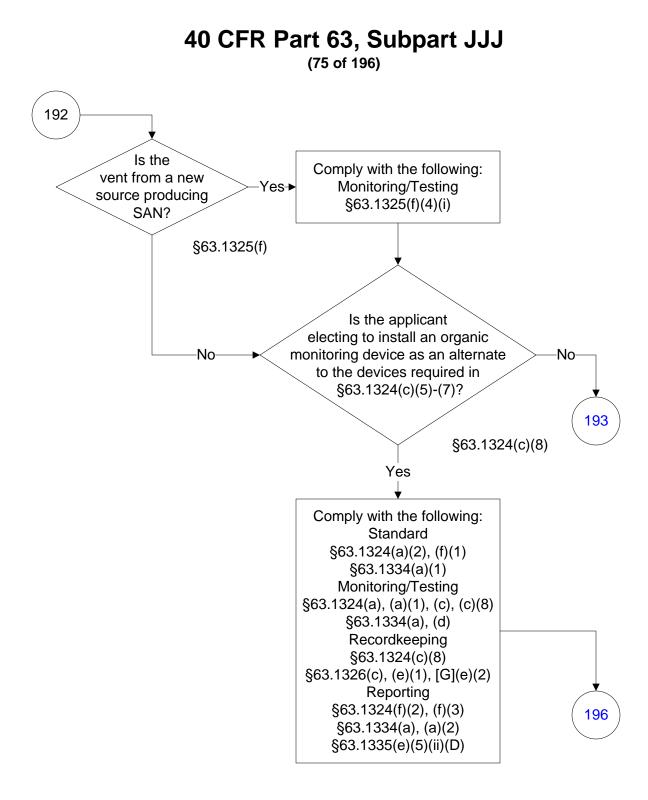




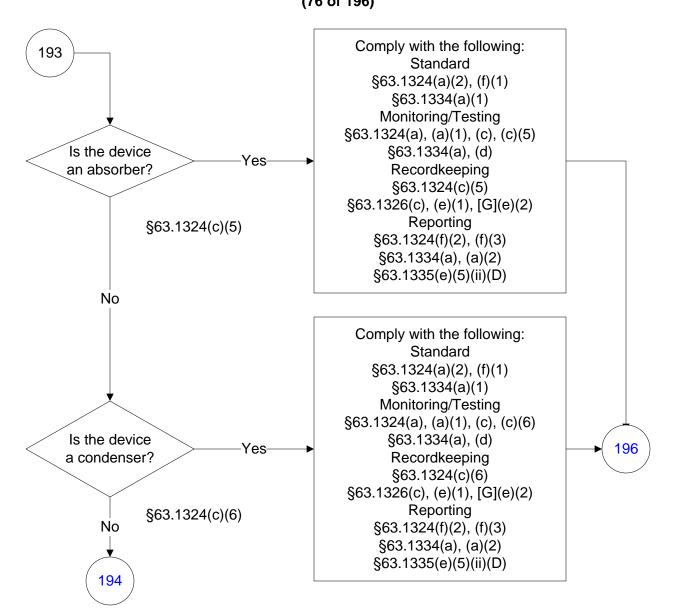
Last Modified: July 25, 2013 From 40 CFR Part 63, Subpart JJJ, Amended November 19, 2020 These flowcharts are for use by sources subject to the Federal Operating Permits Program only and are subject to change. \*\*\*



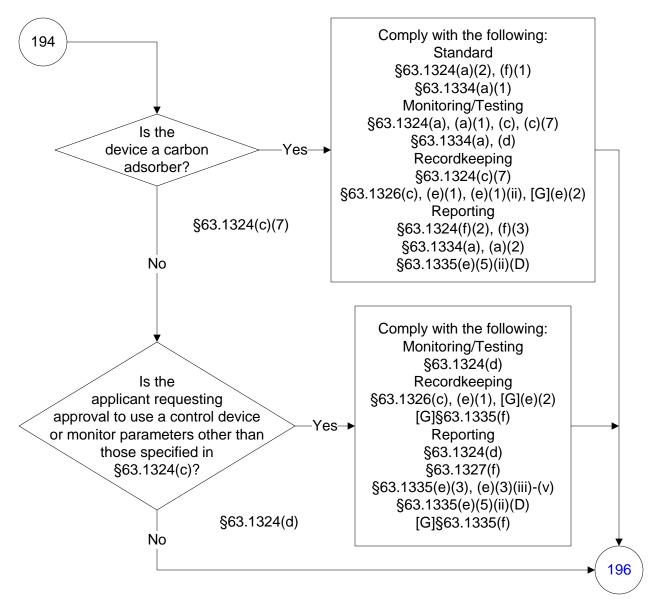


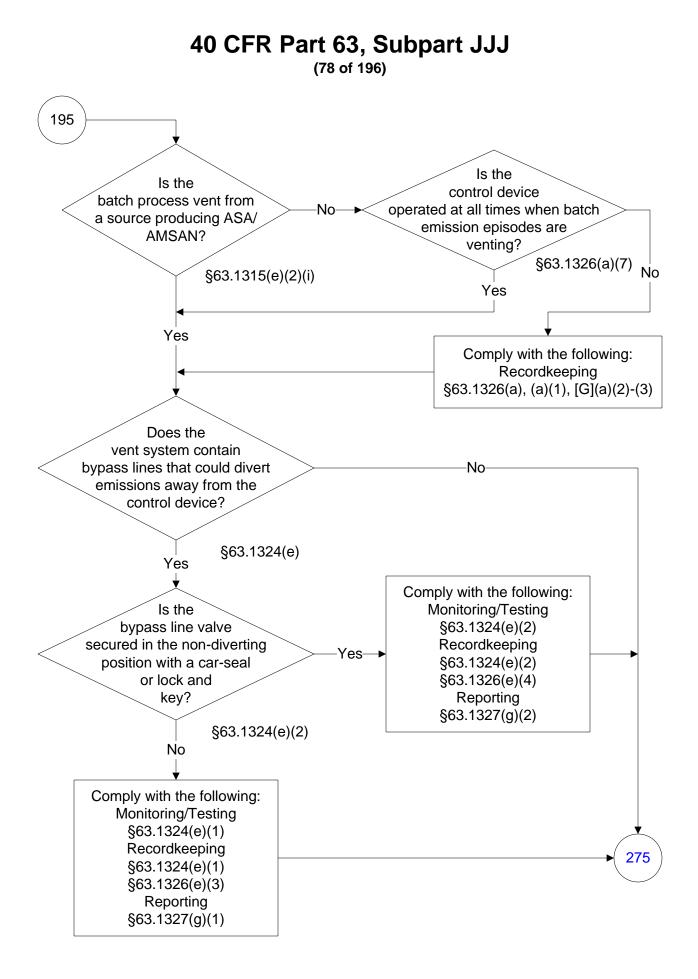


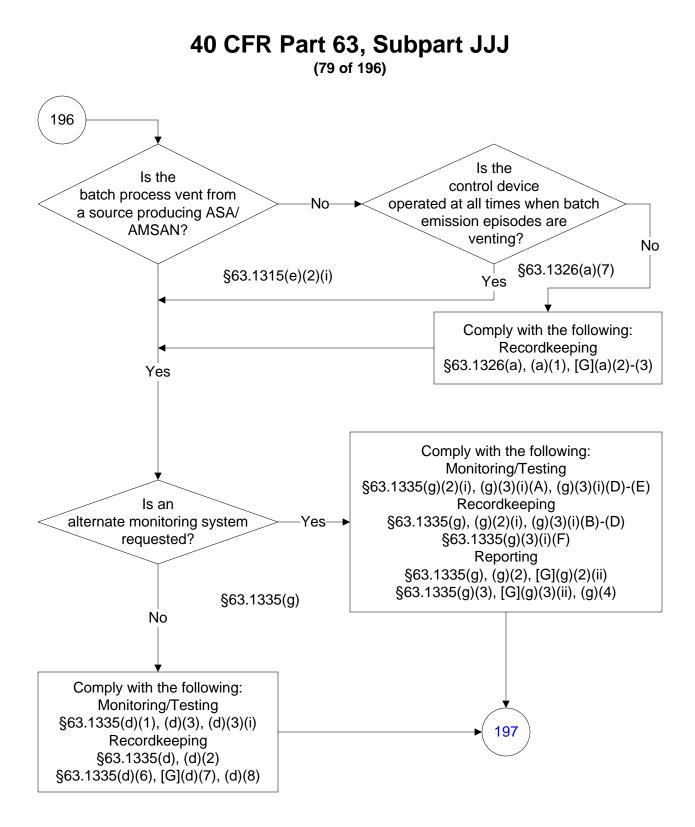
#### 40 CFR Part 63, Subpart JJJ (76 of 196)

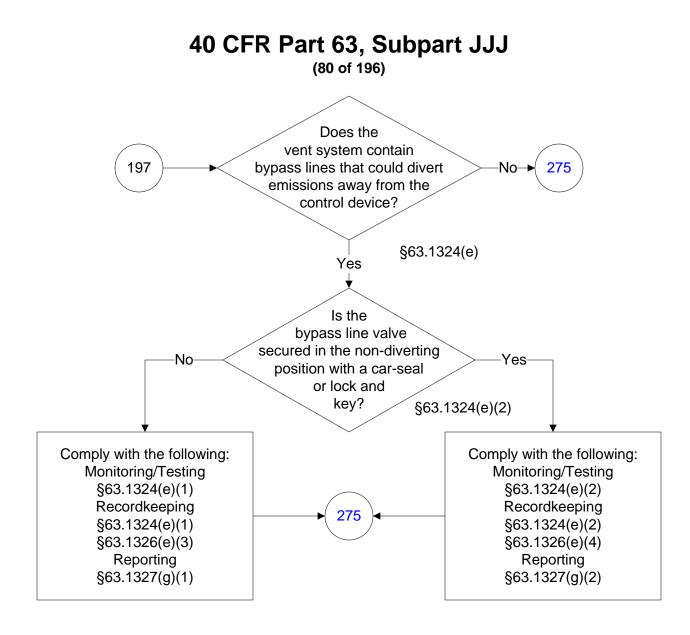


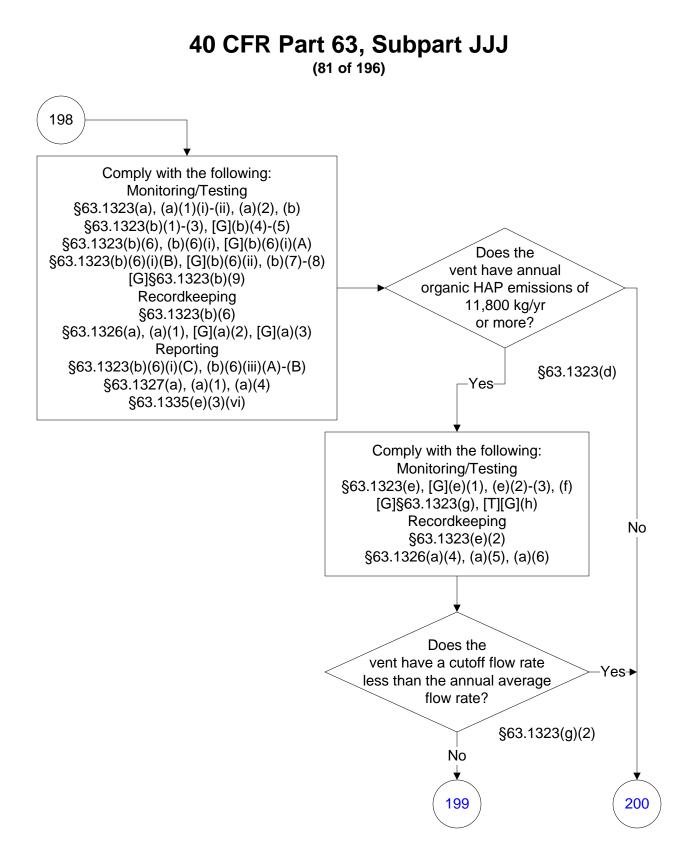
#### (77 of 196)

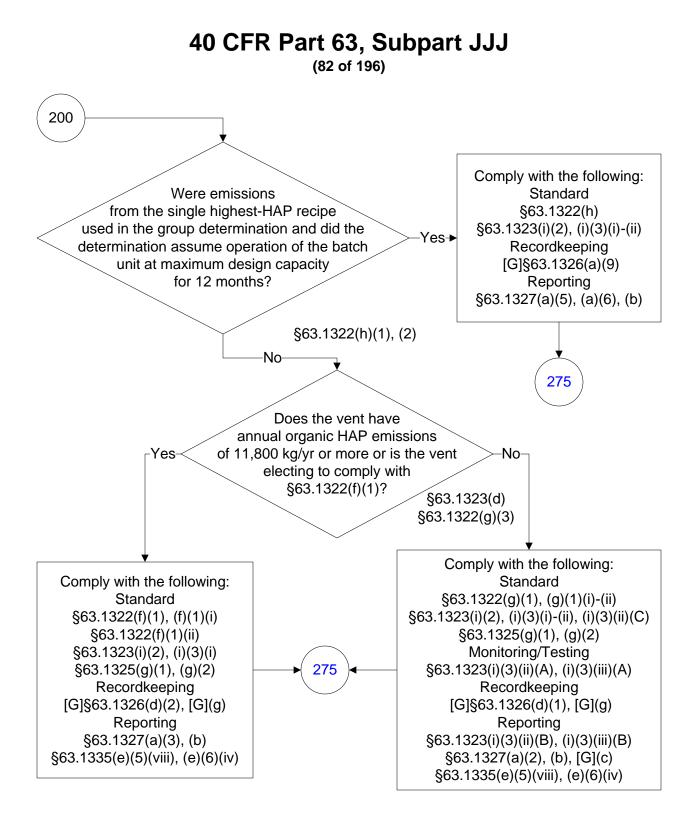


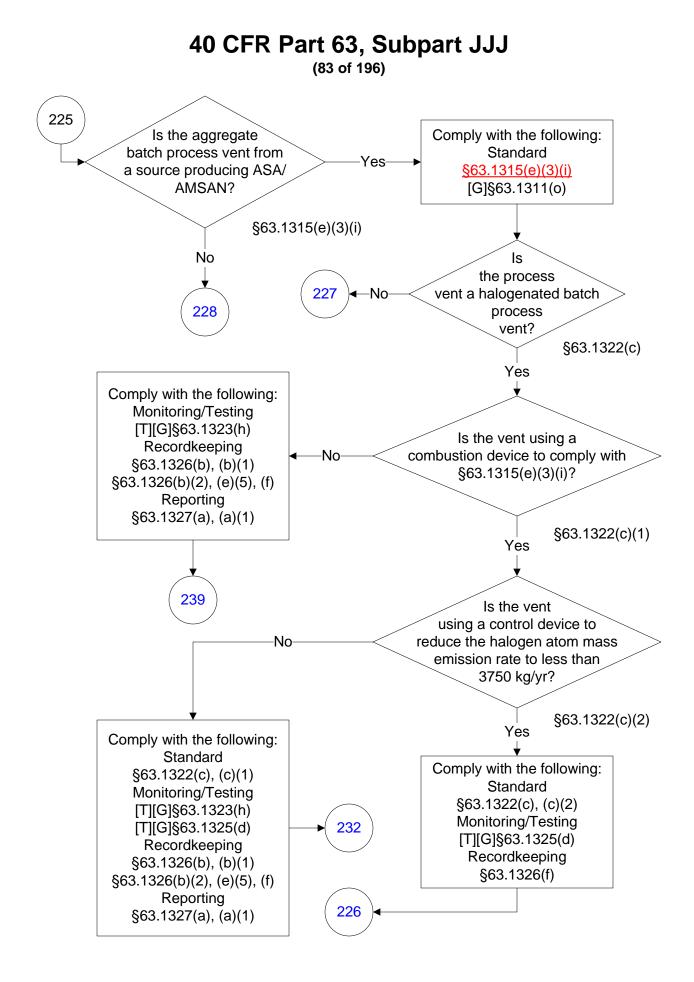


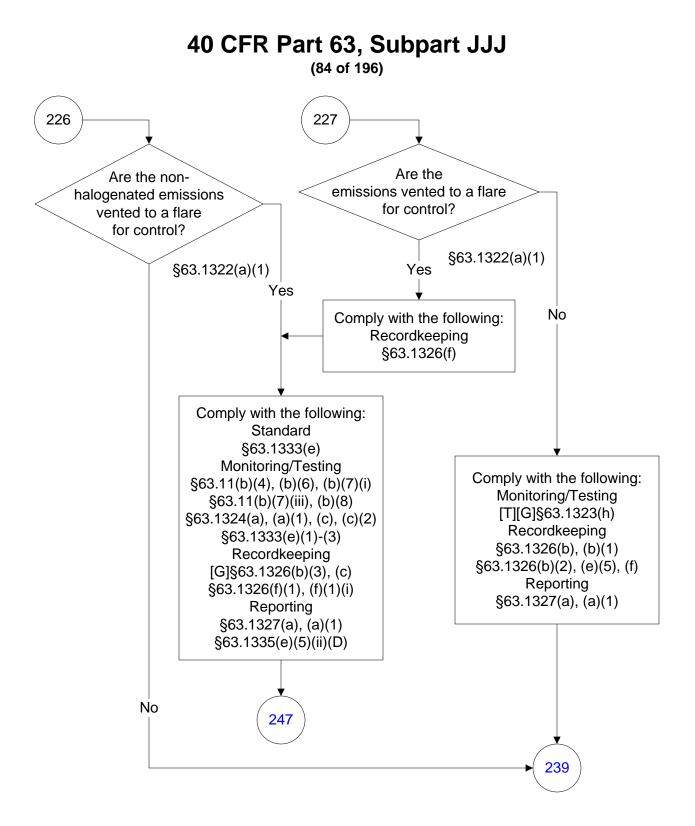


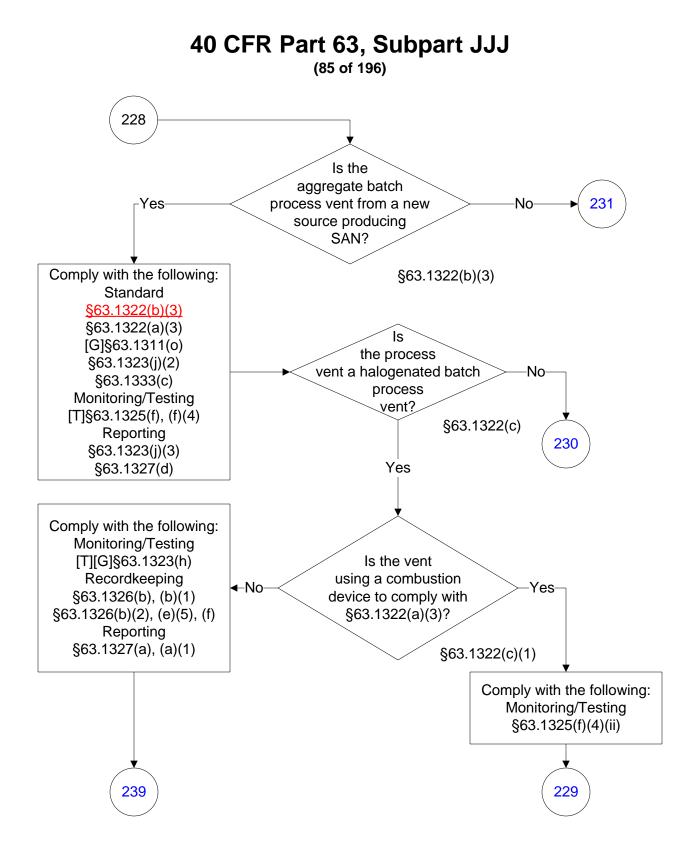


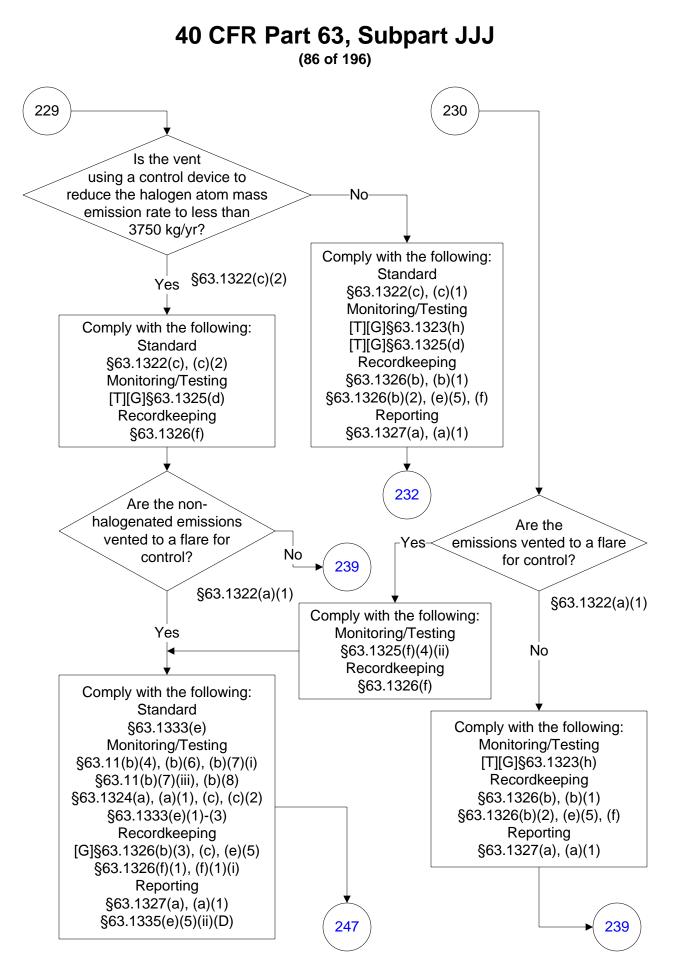




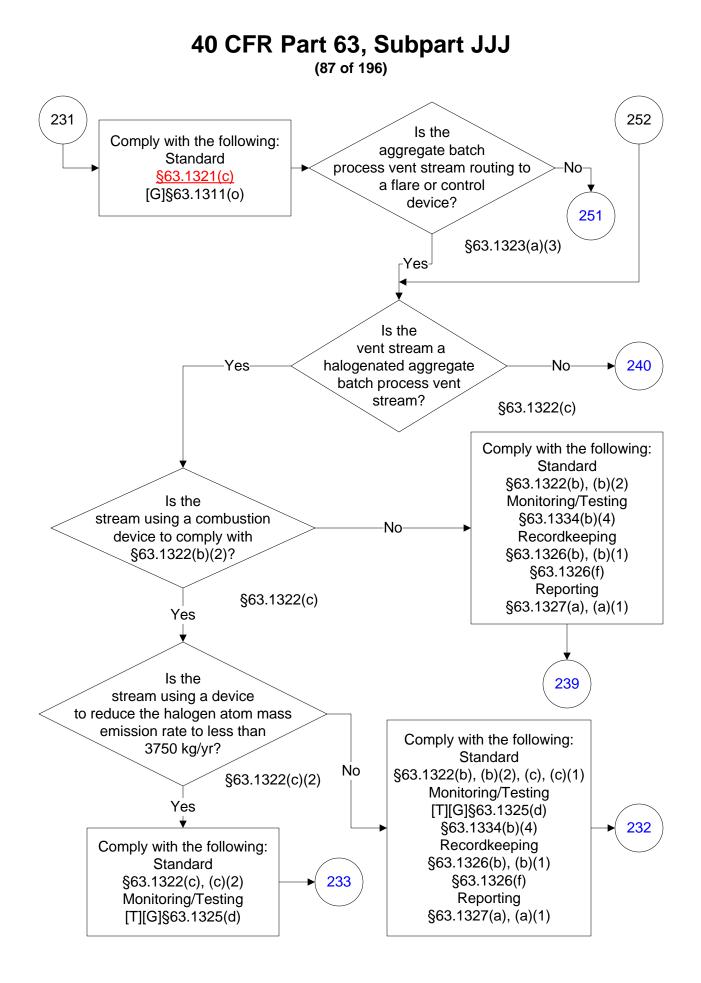


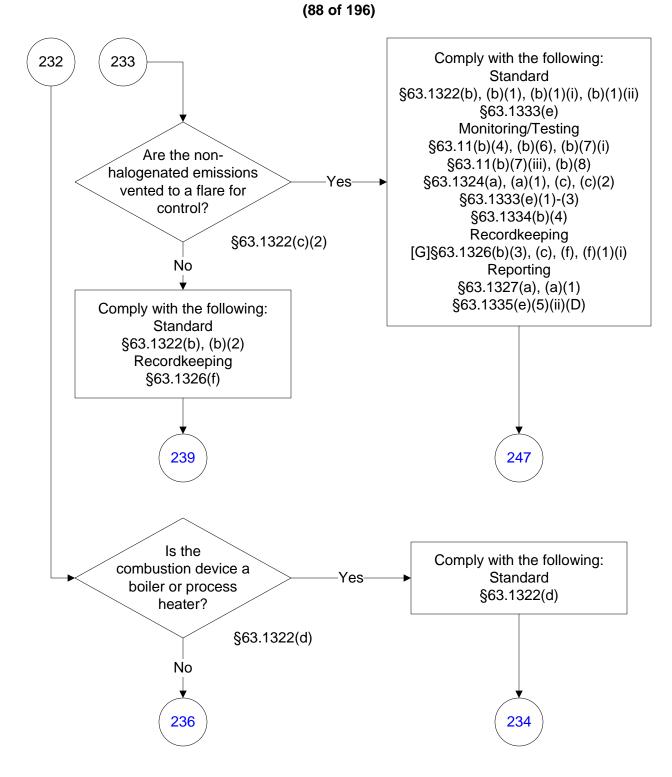


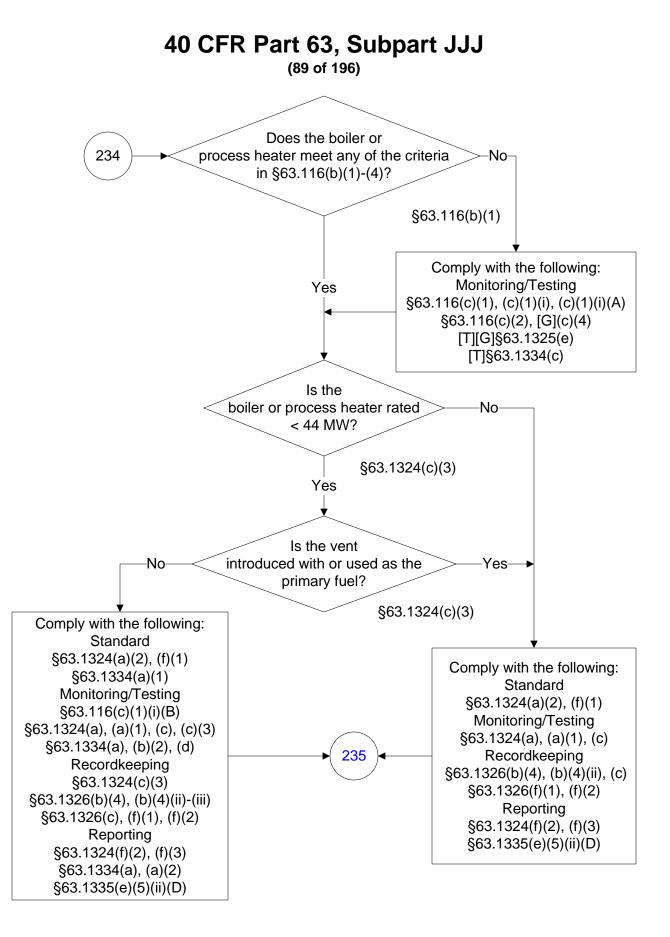




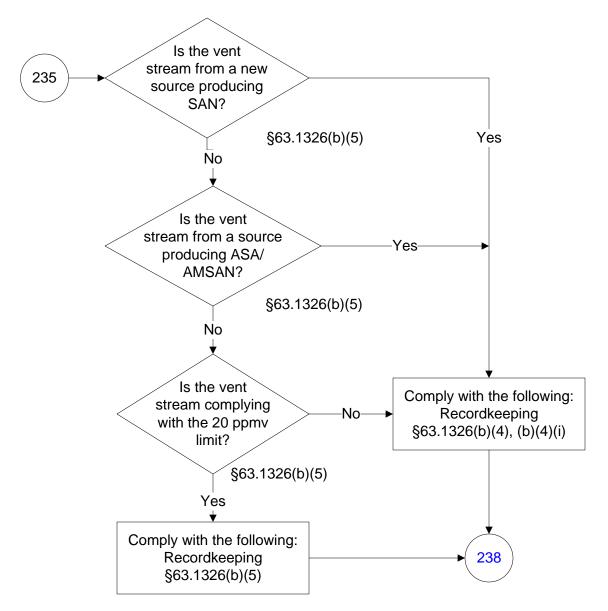
Last Modified: July 25, 2013 From 40 CFR Part 63, Subpart JJJ, Amended November 19, 2020 These flowcharts are for use by sources subject to the Federal Operating Permits Program only and are subject to change. \*\*\*

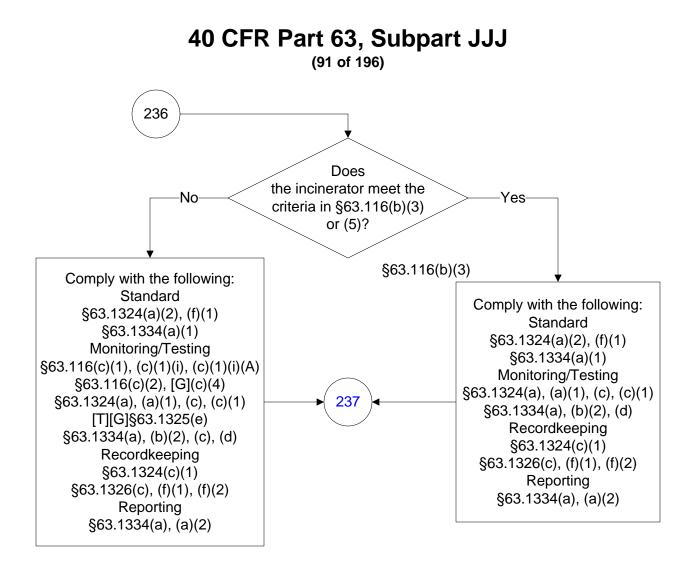


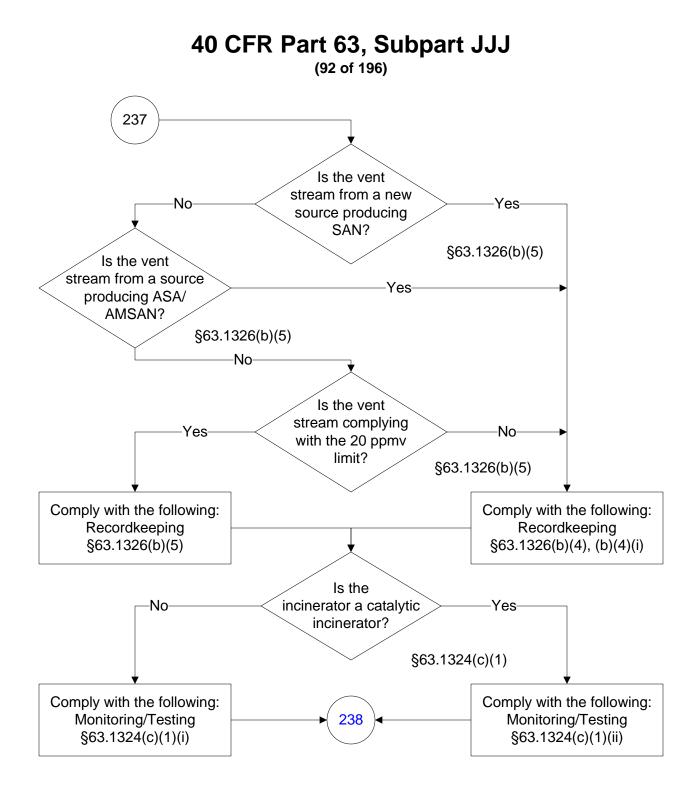




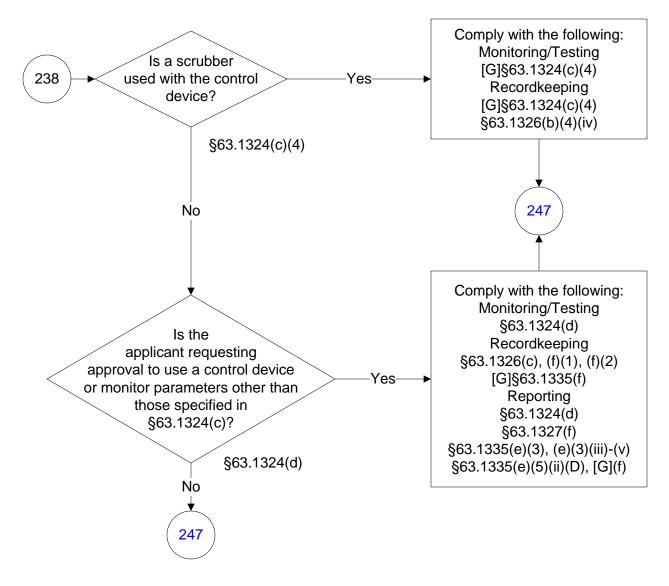
(90 of 196)



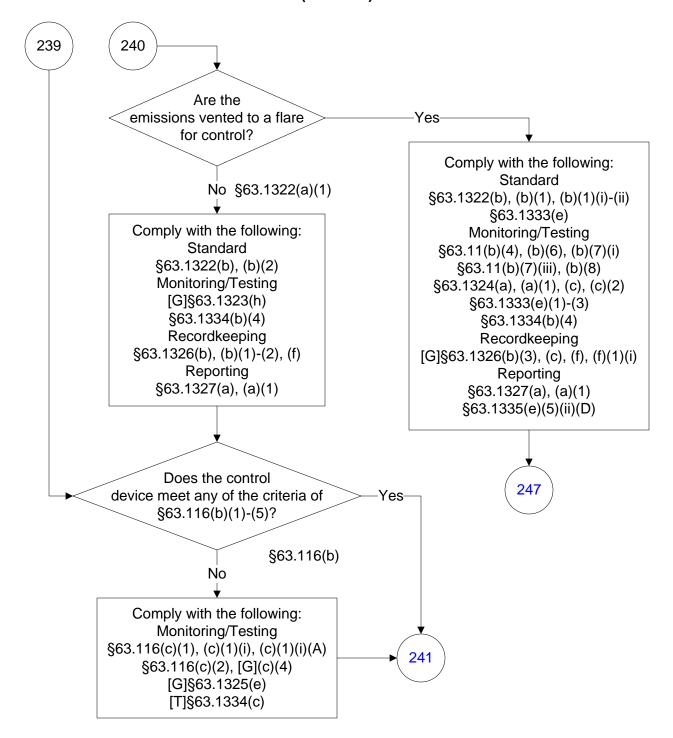


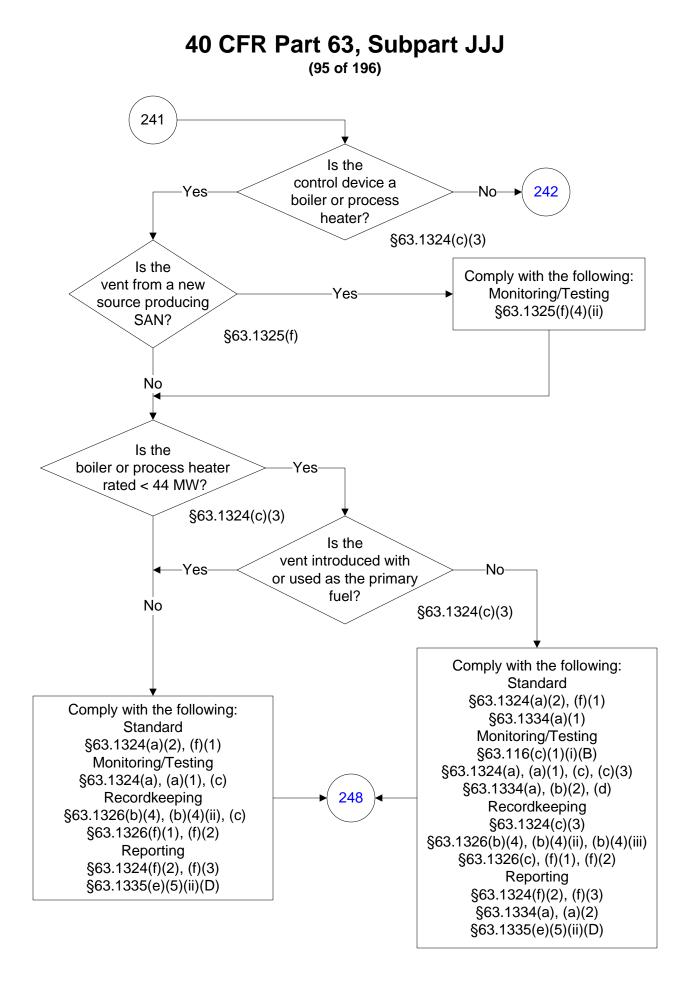


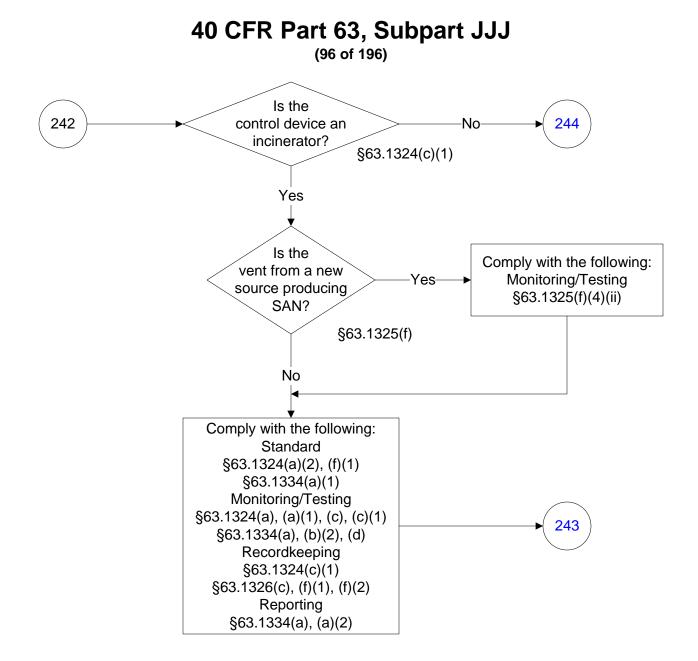


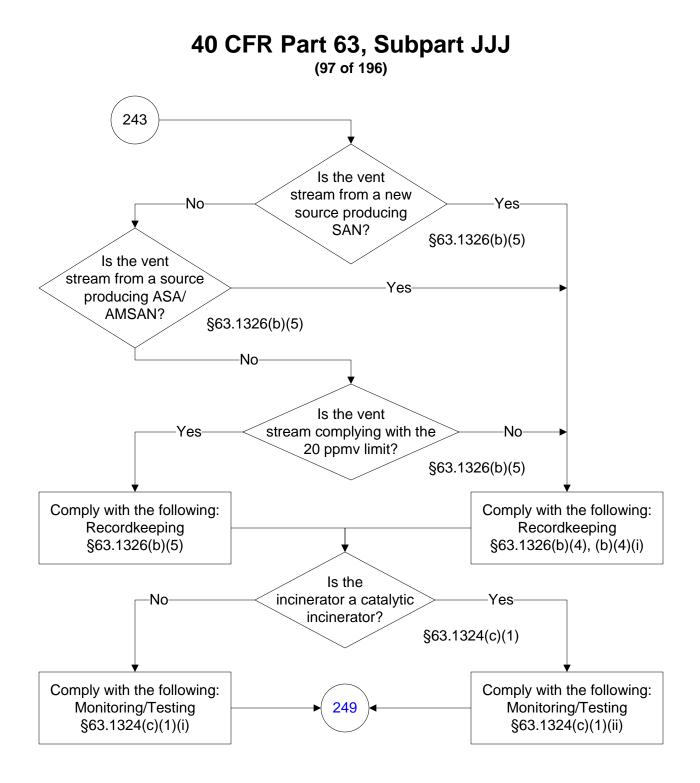


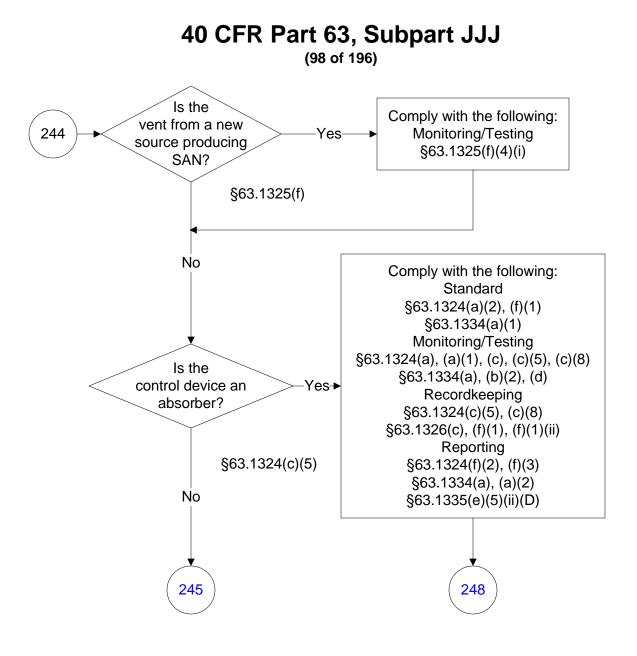


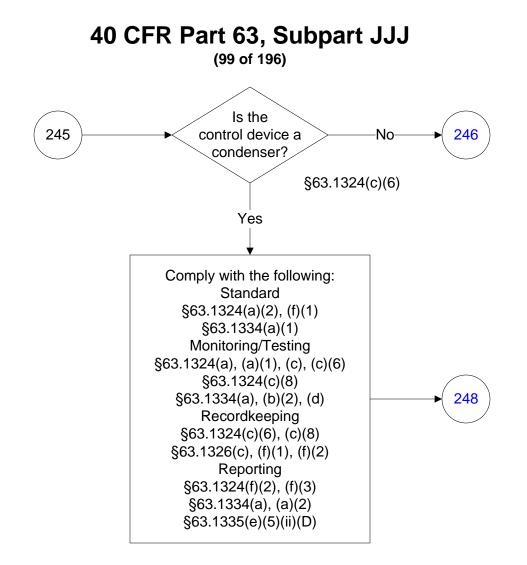


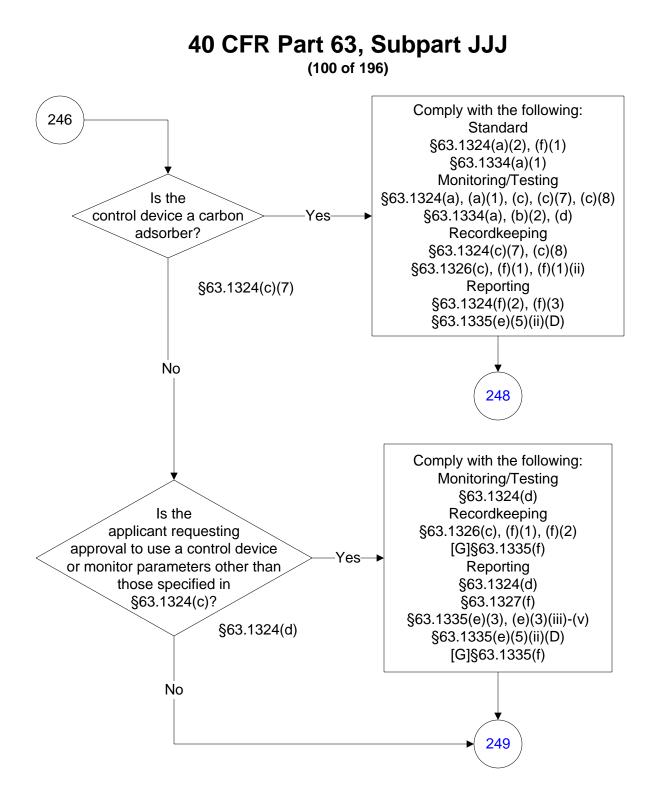


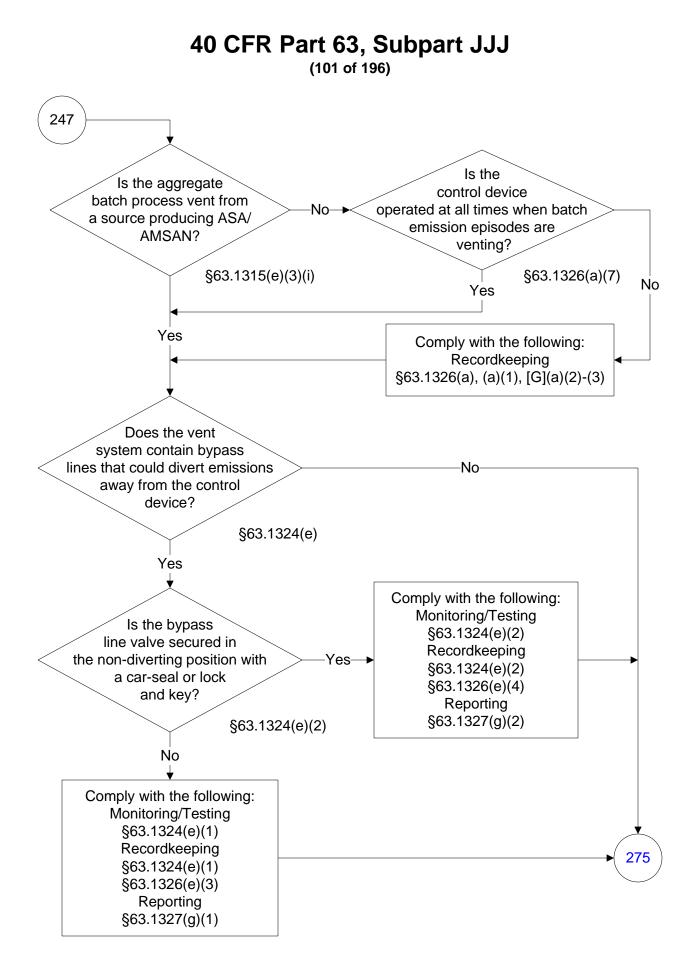


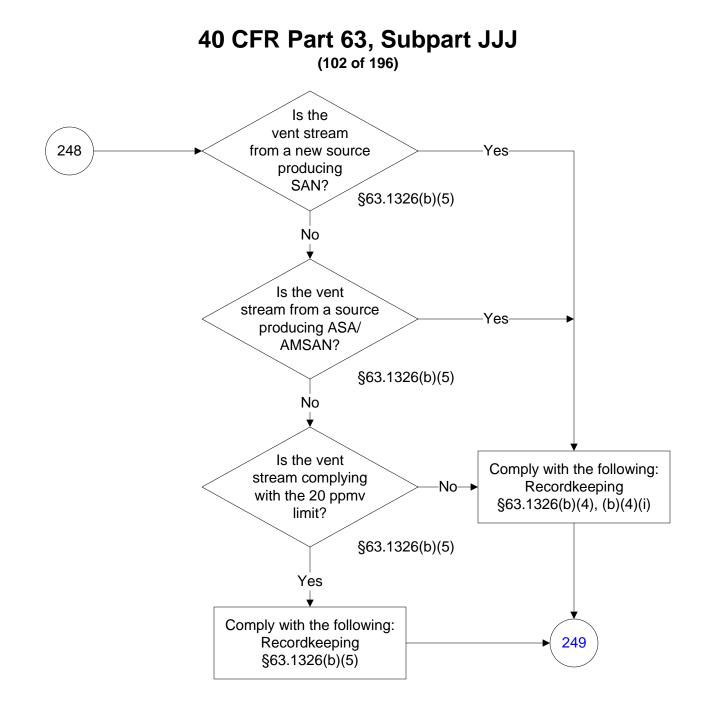


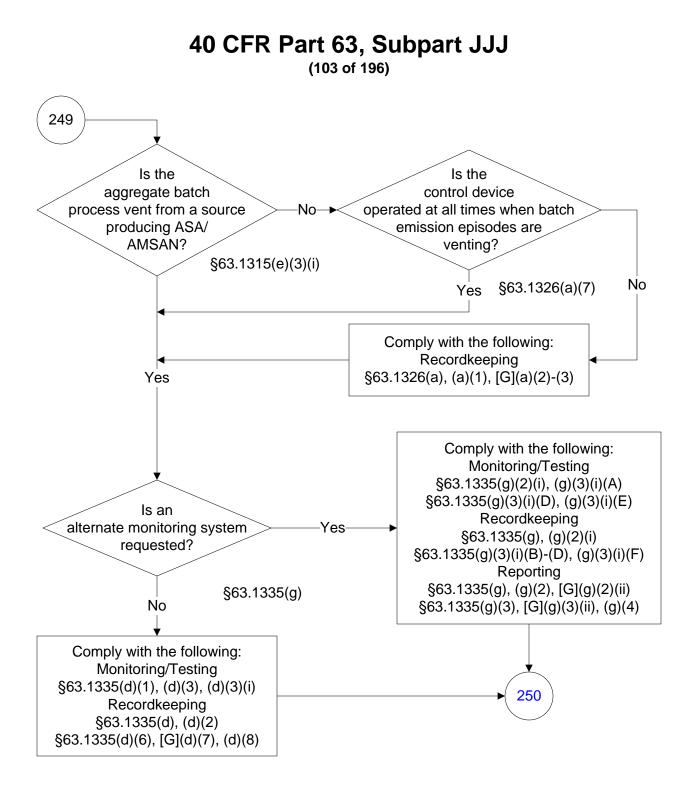


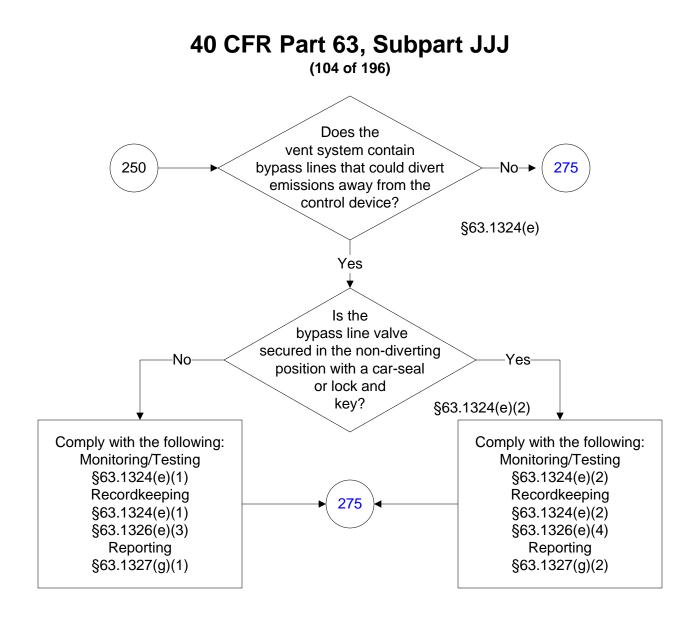




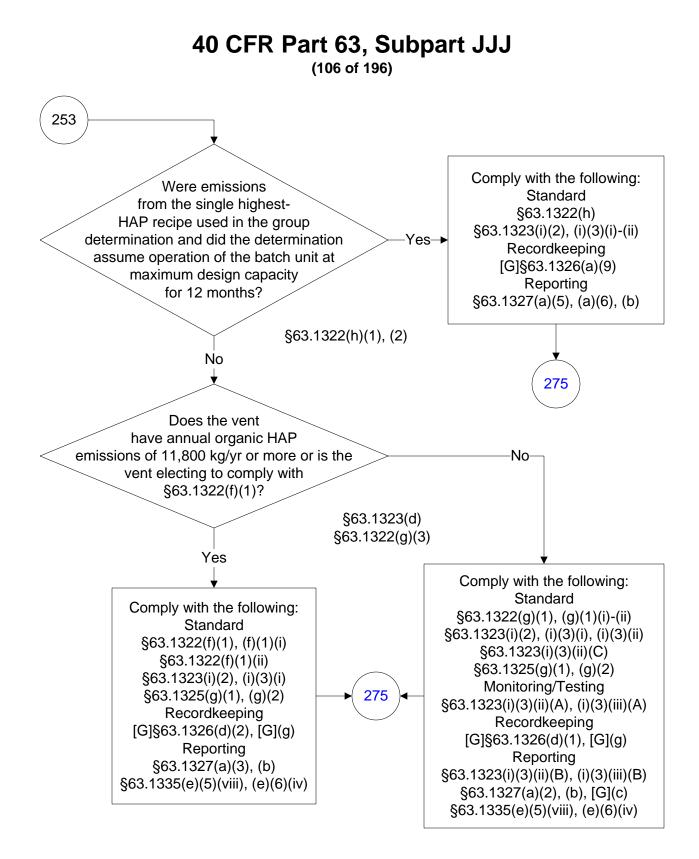


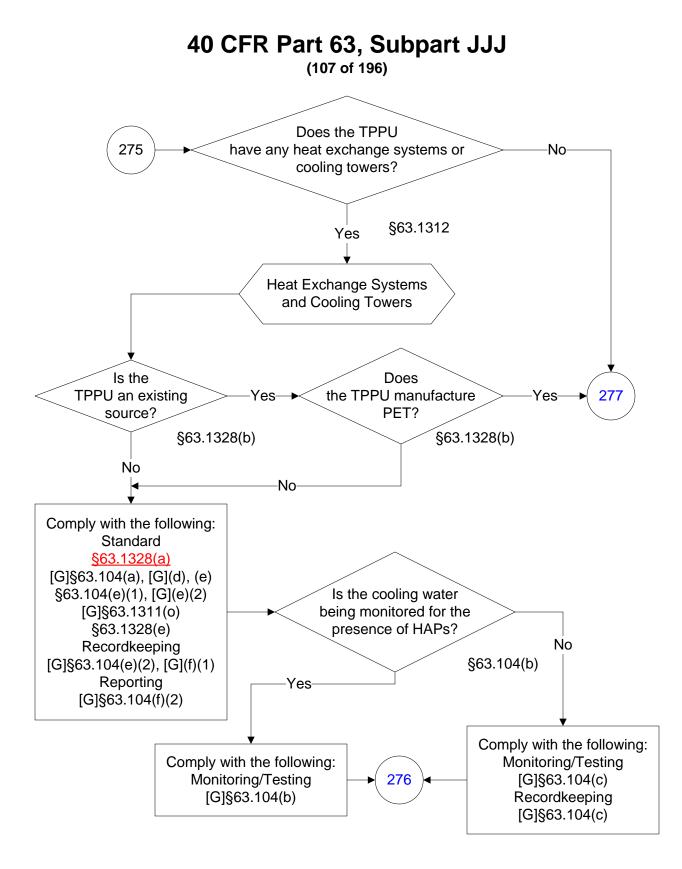


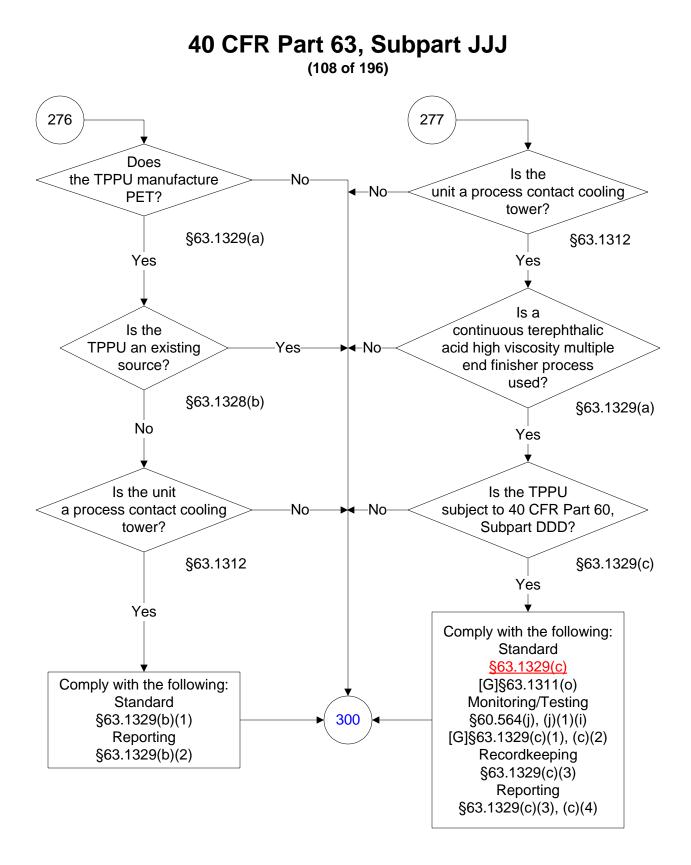


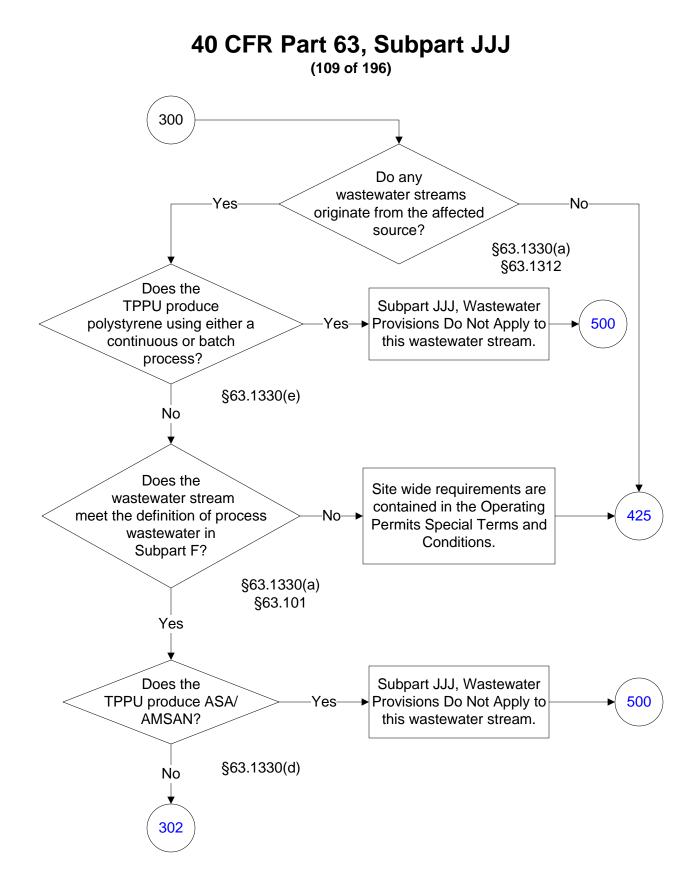


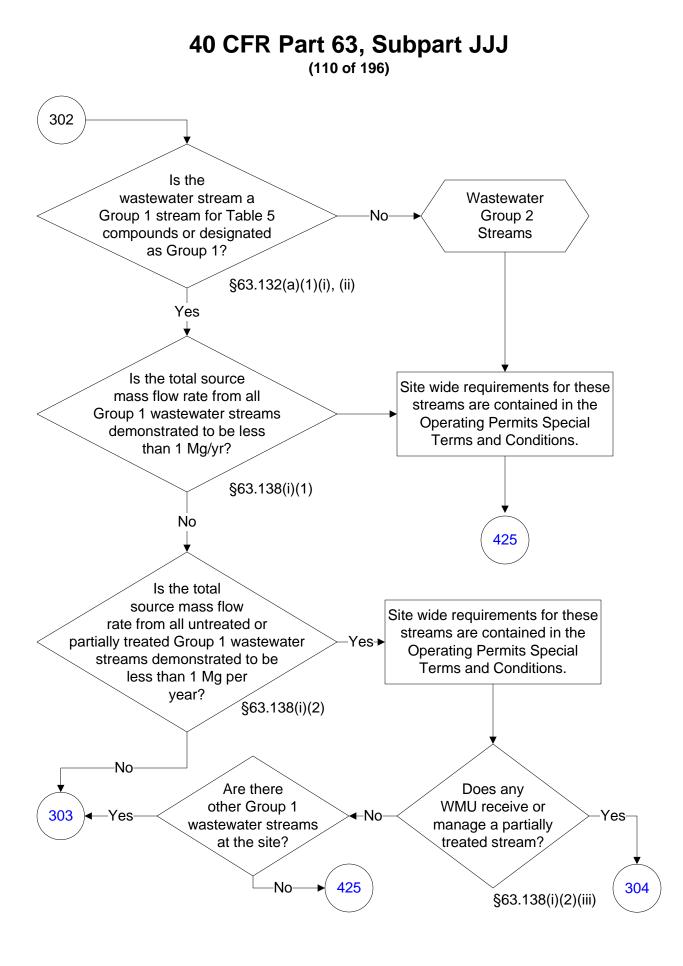
#### 40 CFR Part 63, Subpart JJJ (105 of 196) Comply with the following: 251 Monitoring/Testing §63.1323(a), (a)(1)(i)-(ii), (a)(2) §63.1323(b), (b)(1)-(3), [G](b)(4) [G]§63.1323(b)(5), (b)(6), (b)(6)(i) Perform the Group [G]§63.1323(b)(6)(i)(A), (b)(6)(i)(B) determination for each Batch [G]§63.1323(b)(6)(ii), (b)(7)-(8), [G](b)(9) Process Vent included in the Recordkeeping Aggregate Batch Vent Stream §63.1323(b)(6) §63.1326(a), (a)(1), [G](a)(2), [G](a)(3) Reporting §63.1323(b)(6)(i)(C), (b)(6)(iii)(A)-(B) §63.1327(a), (a)(1), (a)(4) §63.1335(e)(3)(vi) Comply with the following: Monitoring/Testing Does the §63.1323(e), [G](e)(1), (e)(2)-(3), (f) vent have annual [G]§63.1323(g), [G](h) Yes organic HAP emissions of 11,800 kg/yr or Recordkeeping §63.1323(e)(2) more? §63.1326(a)(4), (a)(5), (a)(6) §63.1323(d) No Does the vent have a cutoff flow rate Yes 253 less than the annual average flow rate? §63.1323(g)(2) No The Batch Process Vent stream is a Group 1 stream and the Aggregate Batch Process Vent 252 Stream must comply with the Group 1 requirements.

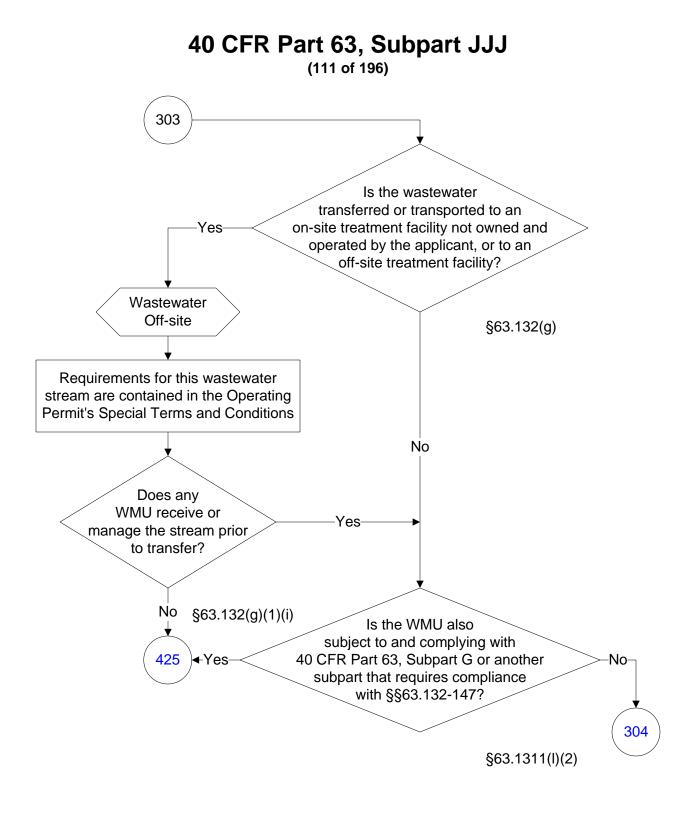


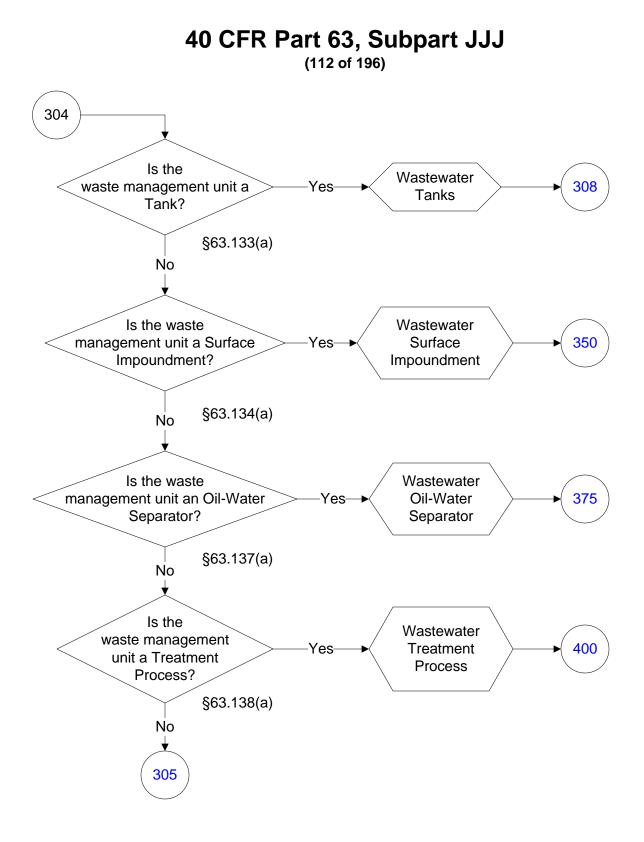


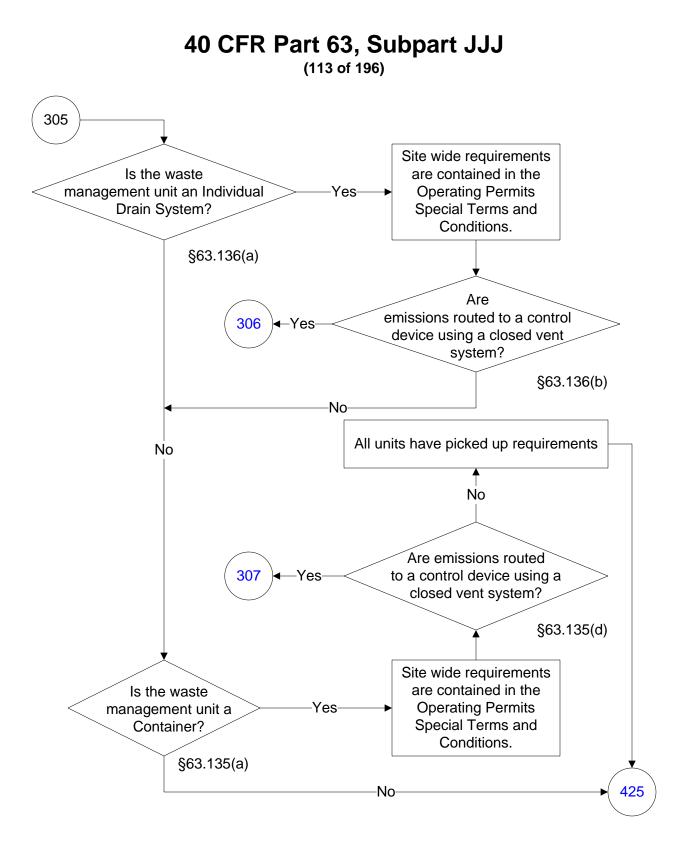


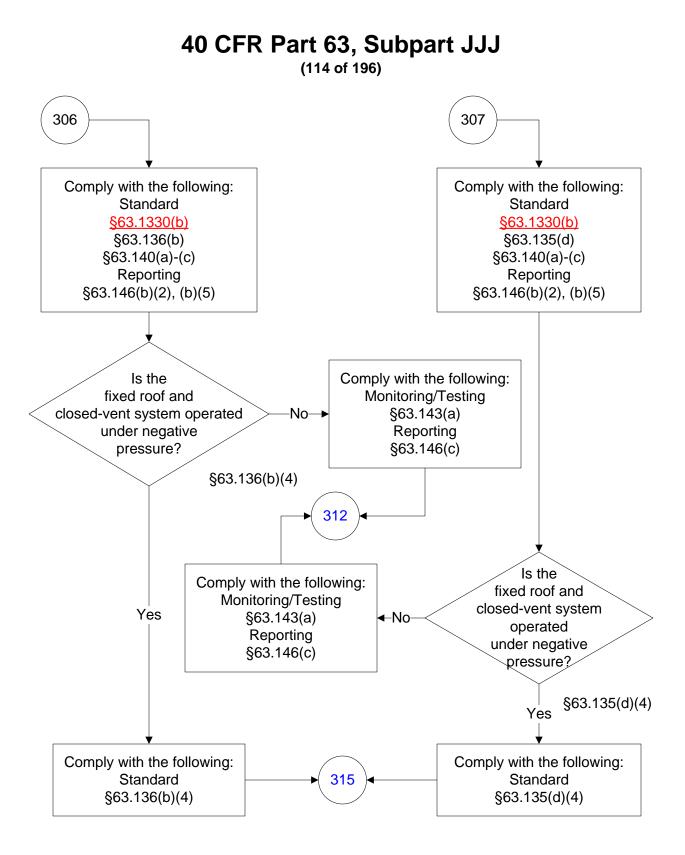


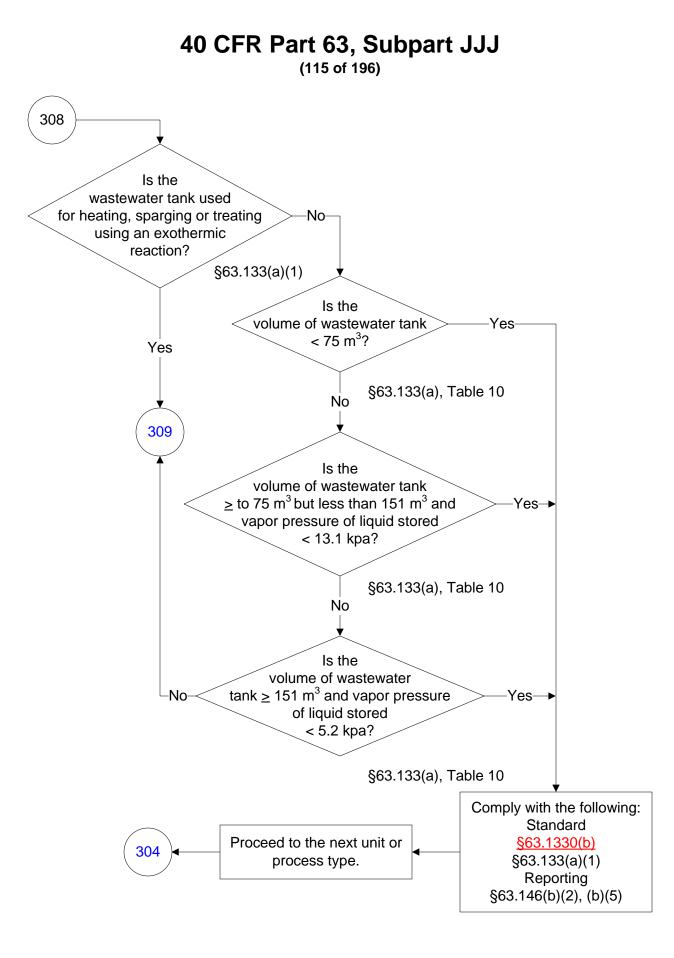


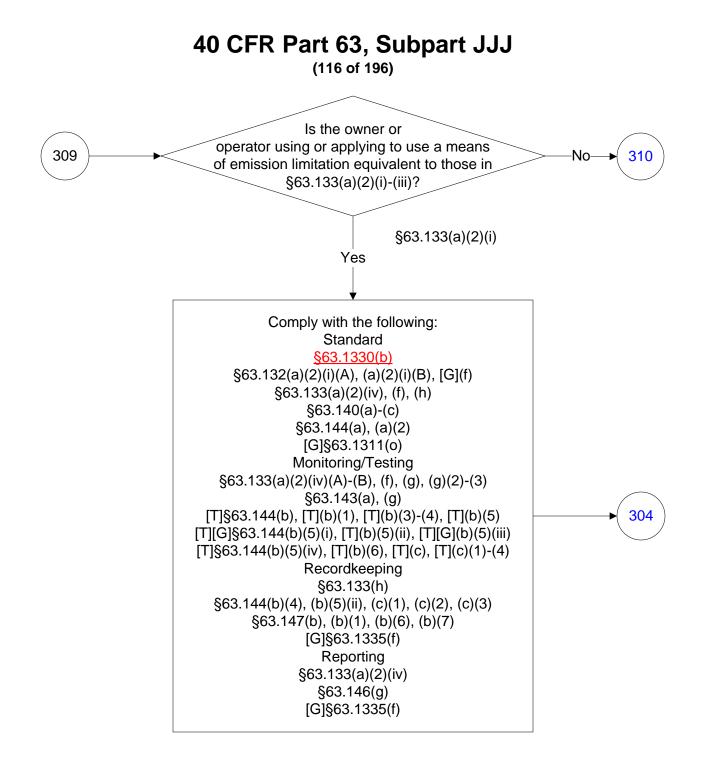


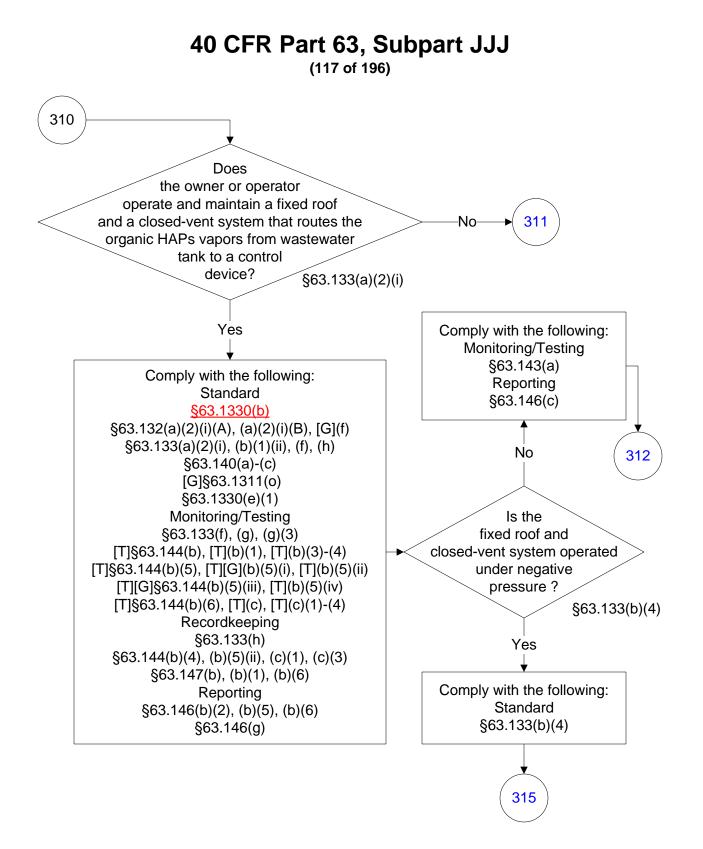


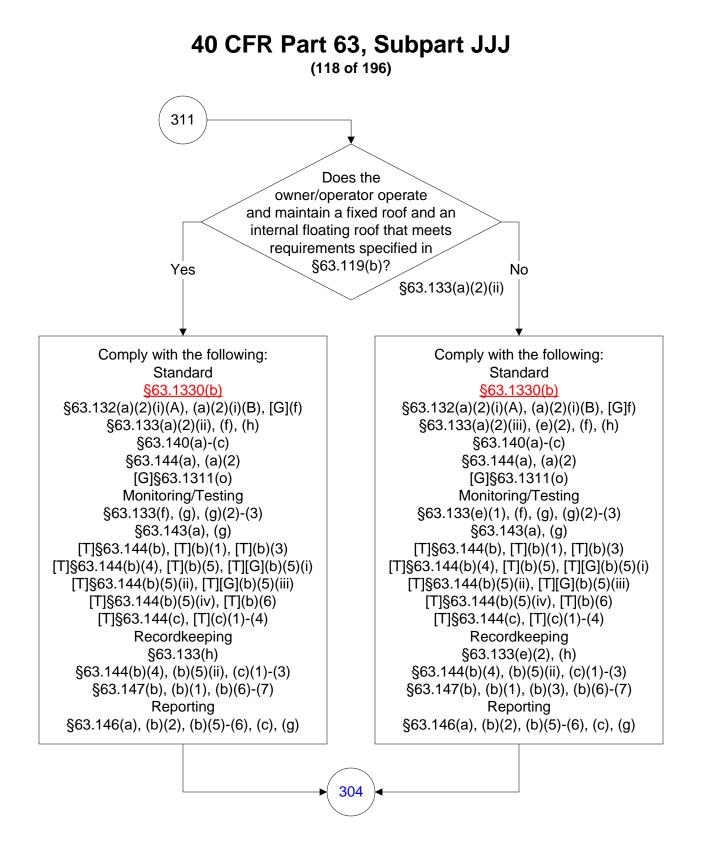


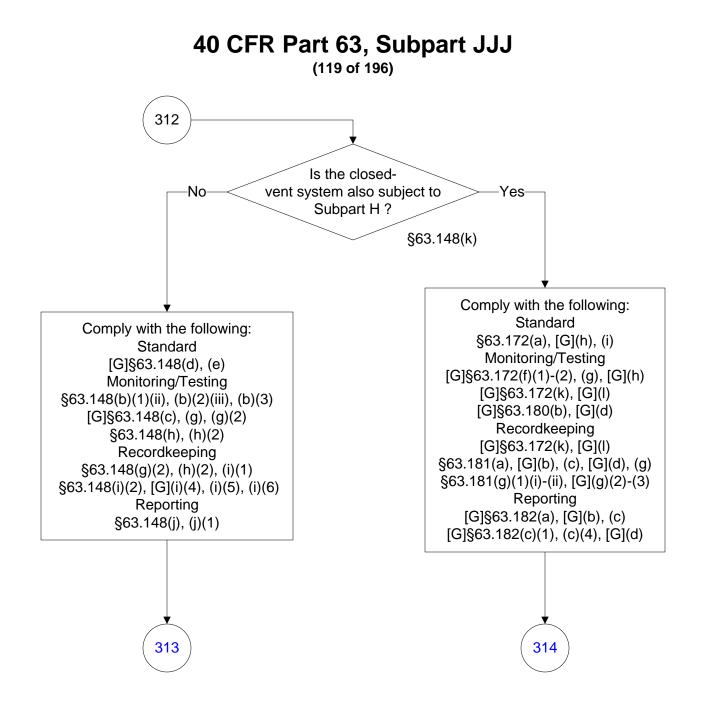


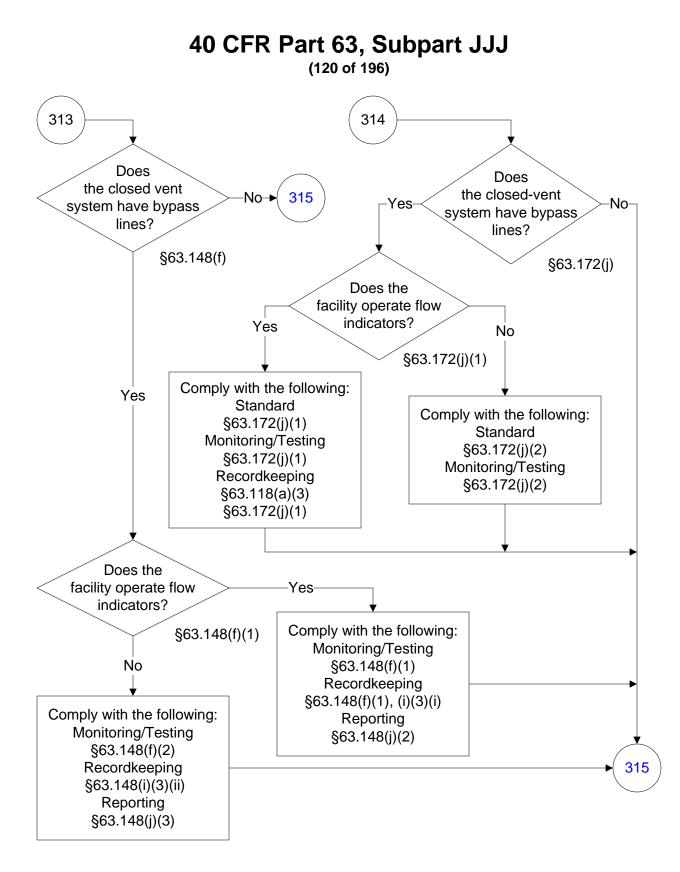






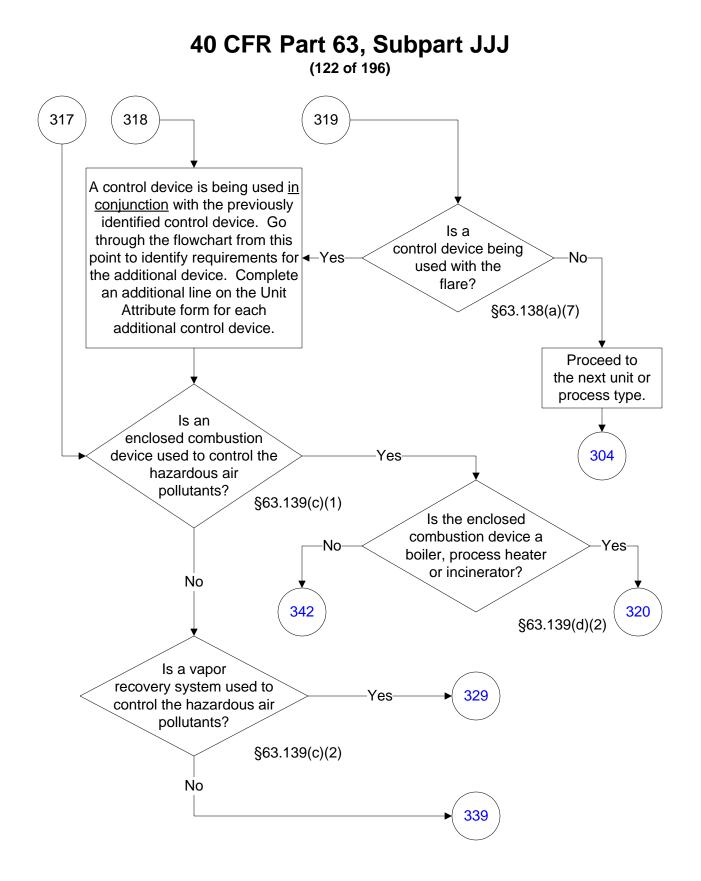


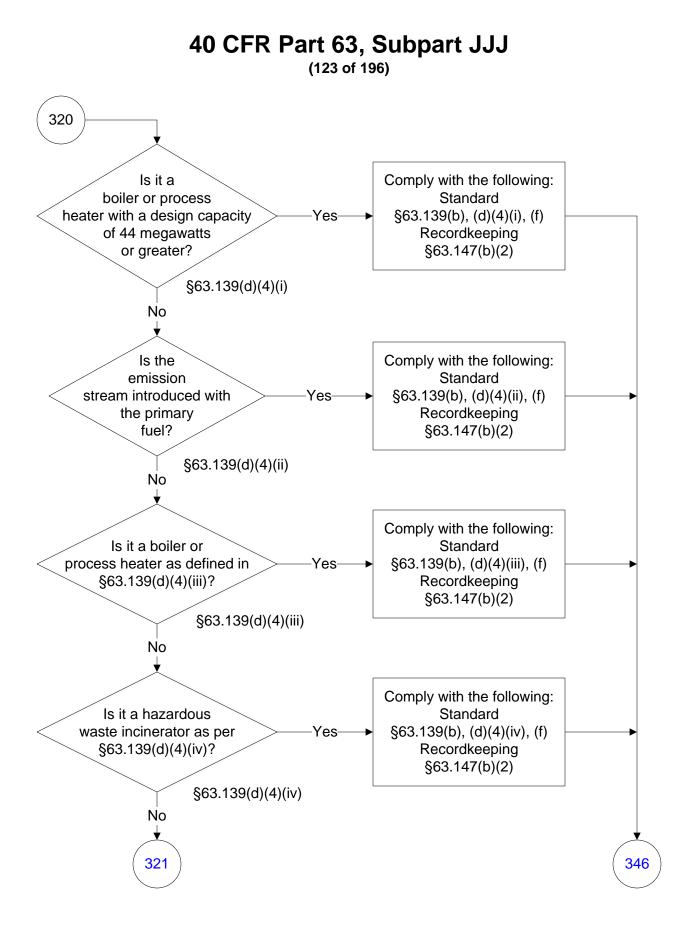


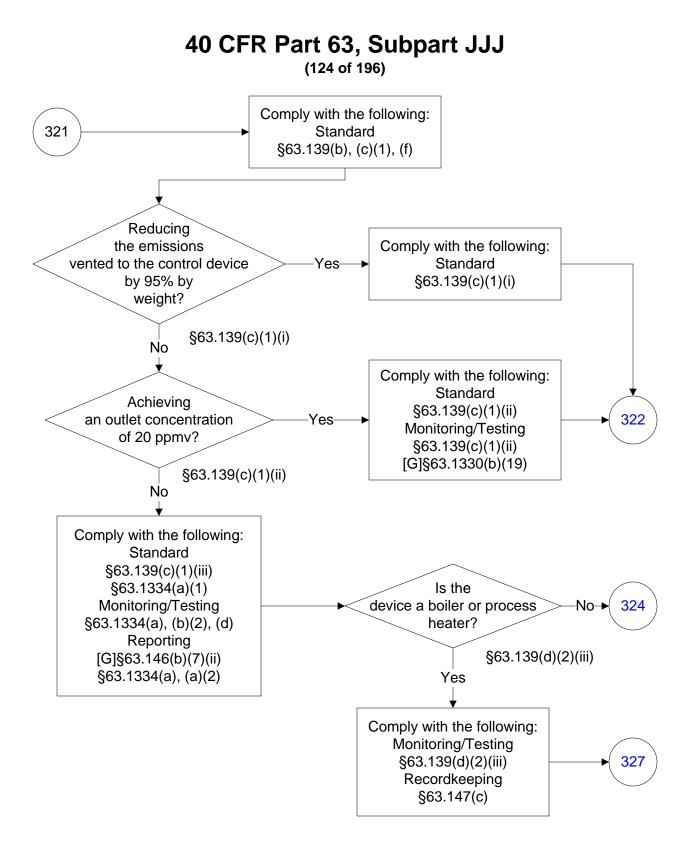


## 40 CFR Part 63, Subpart JJJ (121 of 196) 316 315 Comply with the following: Standard §63.138(a)(7)(i)(A) Is the Monitoring/Testing vent stream treated using §63.138(a)(7)(i)(D) Yes a combination of control Recordkeeping devices? §63.138(a)(7)(i)(C) Reporting §63.138(a)(7) §63.138(a)(7)(i)(C) No Comply with the following: Standard §63.139(b), (f) Is a flare used to Monitoring/Testing control the hazardous air §63.139(d)(3), (e) Yes pollutants (HAPs)? Recordkeeping §63.145(a)(3), [G](a)(4) Reporting §63.139(c) [G]§63.146(b)(7)(i) No 317 Have alternative Yes monitoring parameters been No requested and approved? §63.143(e)(3) Comply with the following: Standard §63.139(c)(3) Comply with the following: §63.145(j) Monitoring/Testing §63.1333(e) §63.143(e), (e)(3) Monitoring/Testing Recordkeeping 319 §63.11(b)(4), (b)(6), (b)(7)(i) §63.143(e)(3) §63.11(b)(7)(iii), (b)(8) §63.147(e) §63.145(j) Reporting §63.1333(e)(1), (e)(2), (e)(3) §63.146(a), (f) Recordkeeping §63.147(b)(2), (b)(5), (b)(7)

§63.147(d), (d)(1)

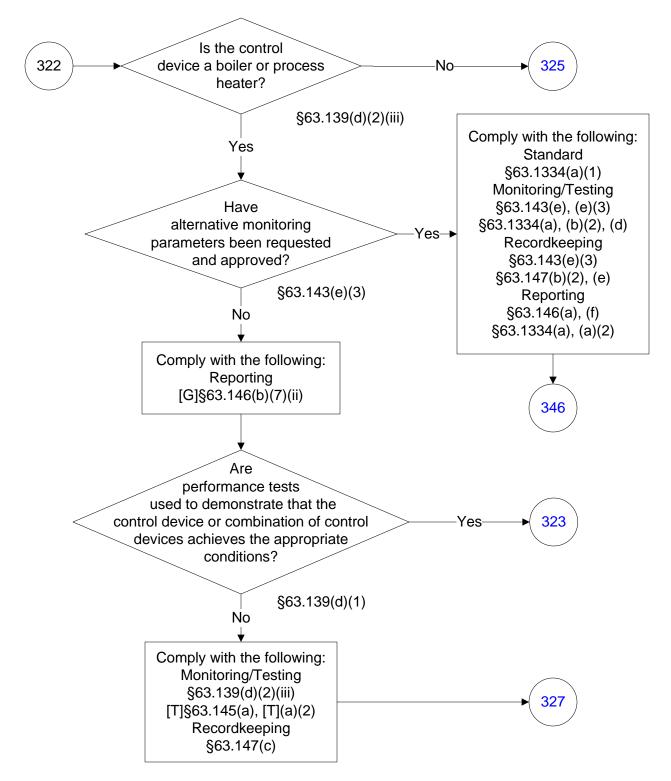


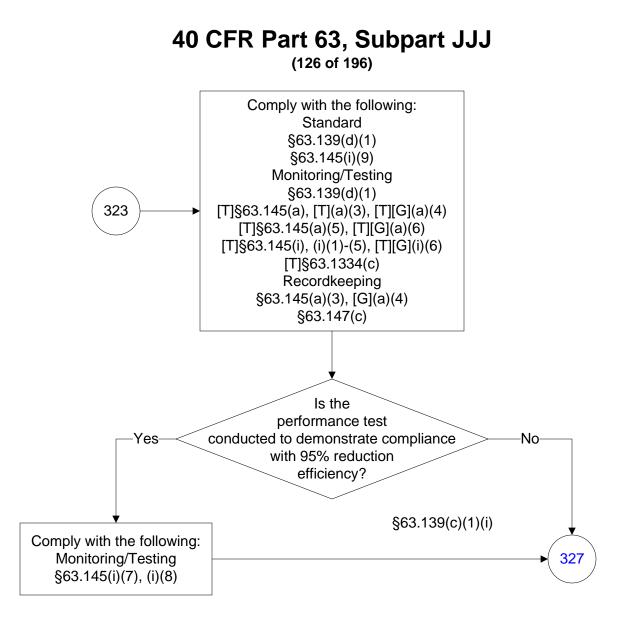


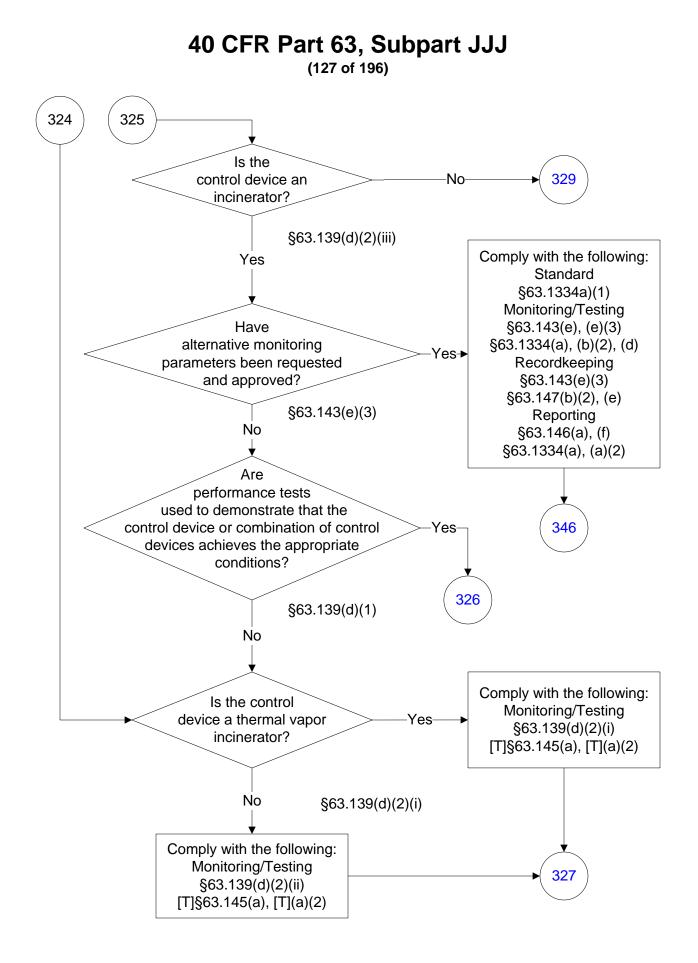


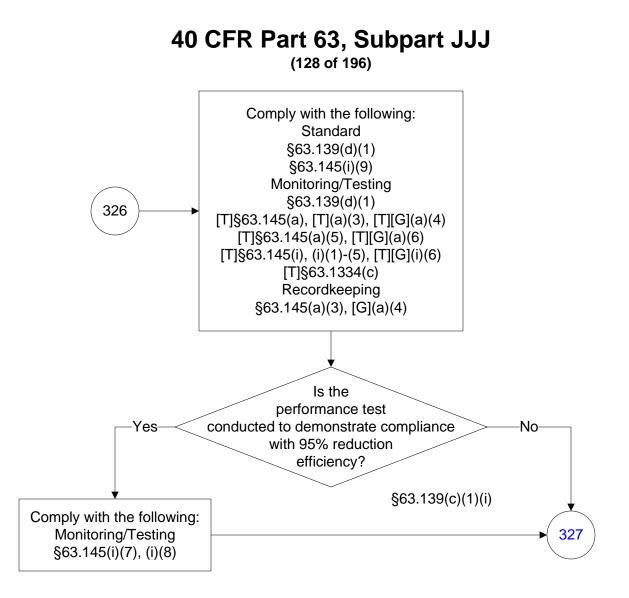
## 40 CFR Part 63, Subpart JJJ

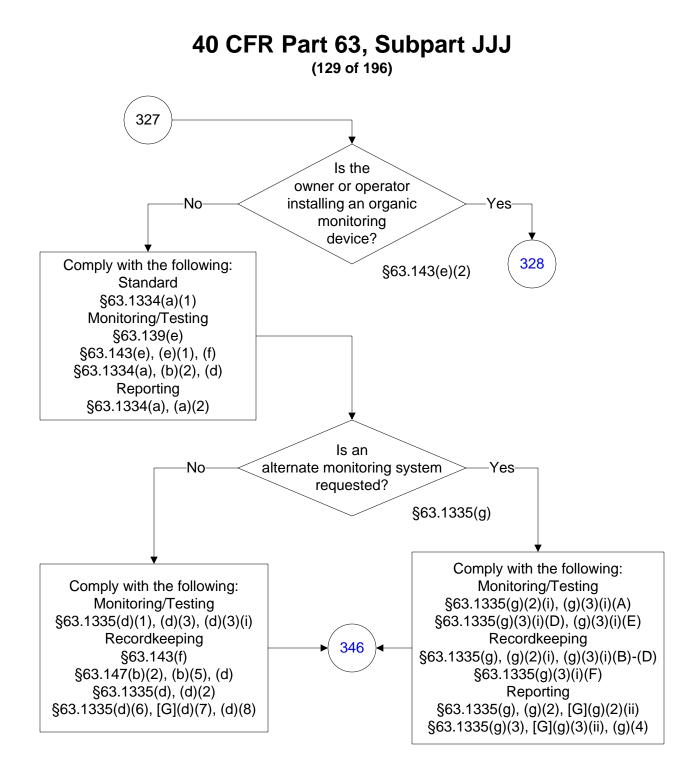
(125 of 196)

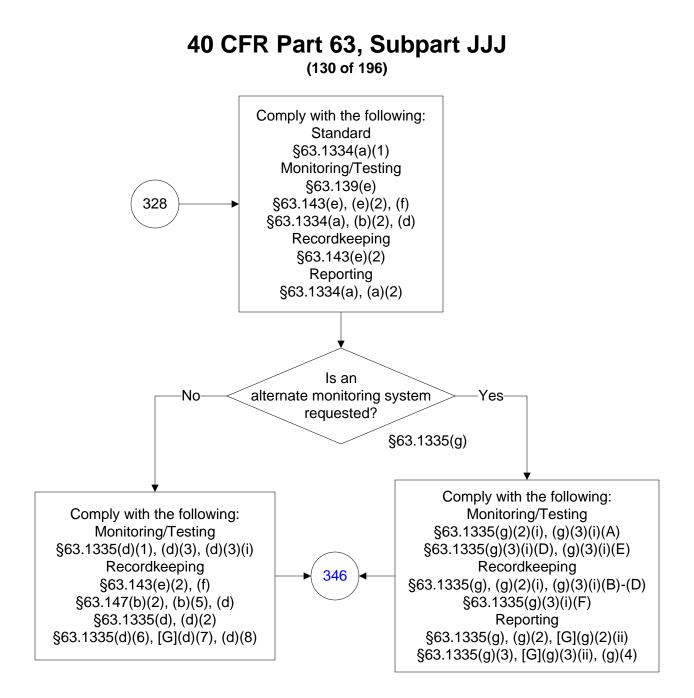


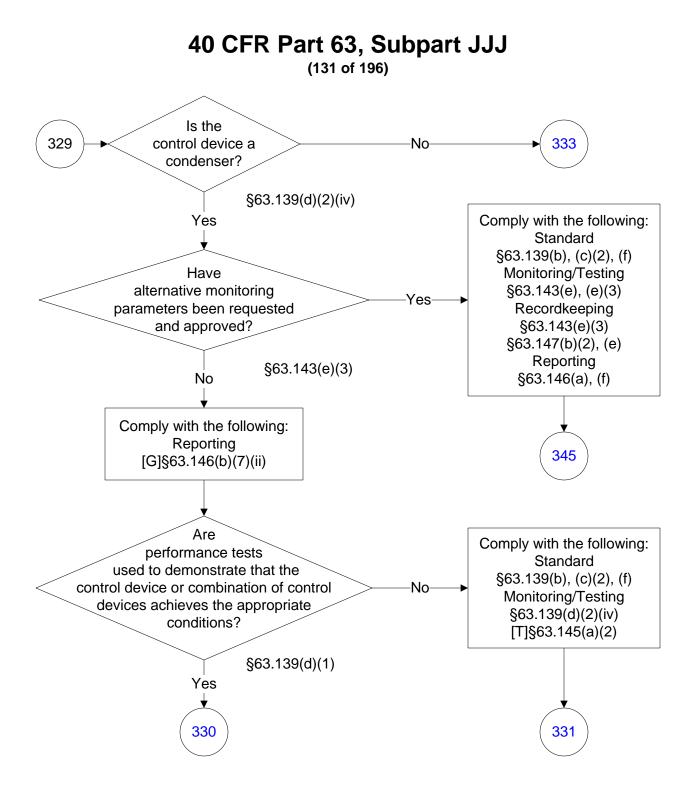


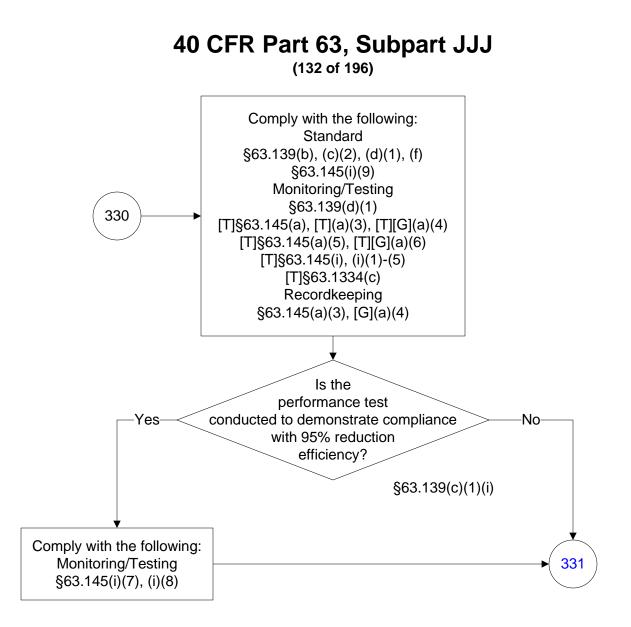


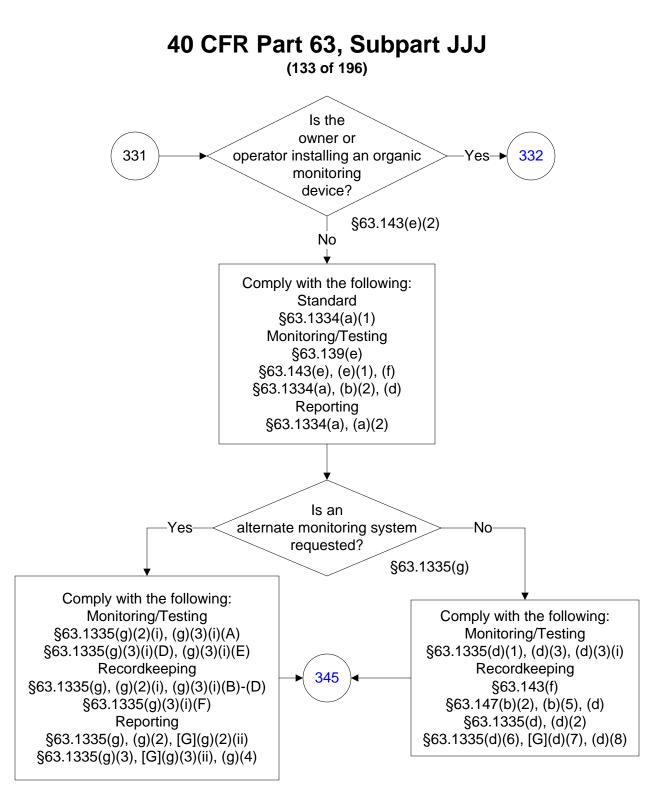


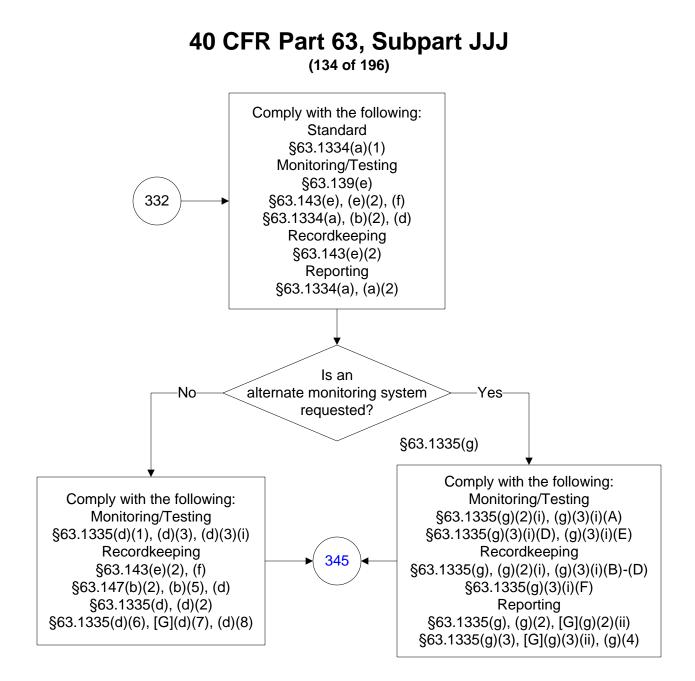










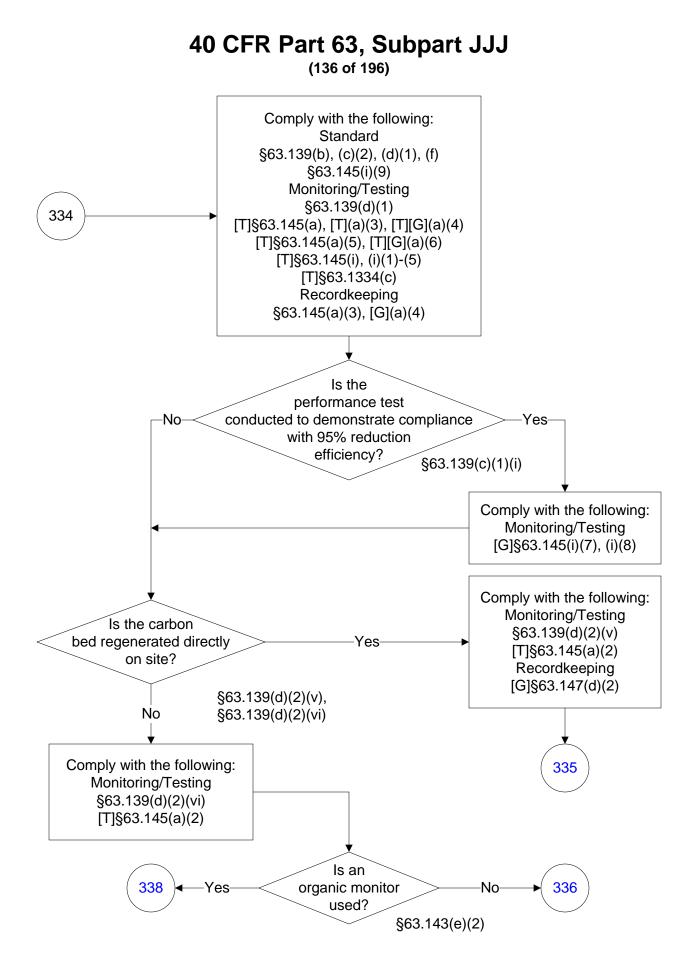


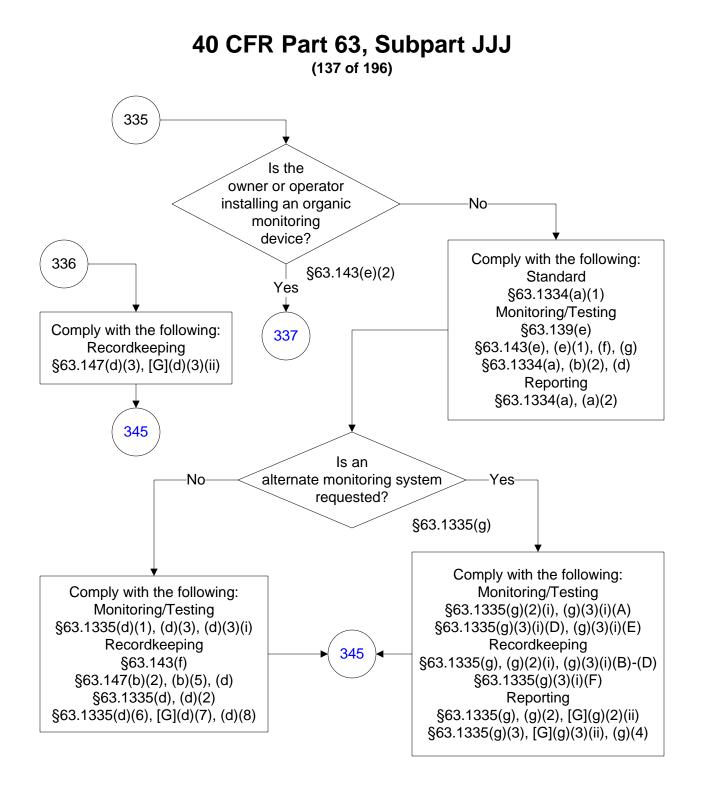
## 40 CFR Part 63, Subpart JJJ (135 of 196) Is the 333 control device a carbon 339 No adsorber? §63.139(d)(2)(iv) Comply with the following: Yes Standard §63.139(b), (c)(2), (f) Monitoring/Testing Have alternative monitoring §63.143(e), (e)(3) Yes Recordkeeping parameters been requested and approved? §63.143(e)(3) §63.147(b)(2), (e) Reporting §63.143(e)(3) No §63.146(a), (f) Comply with the following: Reporting [G]§63.146(b)(7)(ii) 345 Are performance tests used to demonstrate that the control device or Yes 334 combination of control devices achieves the appropriate conditions? Comply with the following: §63.139(d)(1) Standard No §63.139(b), (c)(2), (f) Monitoring/Testing §63.139(d)(2)(v) Is the carbon Yes [T]§63.145(a)(2) bed regenerated directly Recordkeeping on site? [G]§63.147(d)(2) §63.139(d)(2)(v), §63.139(d)(2)(vi) No 335 Comply with the following: Standard Is an §63.139(b), (c)(2), (f) organic monitor 336 ·No Monitoring/Testing used? §63.139(d)(2)(vi) §63.143(e)(2)

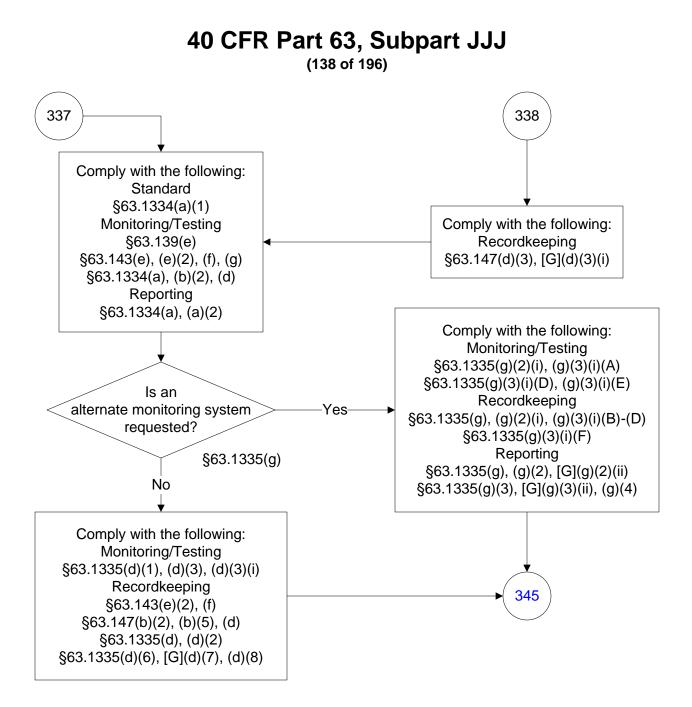
338

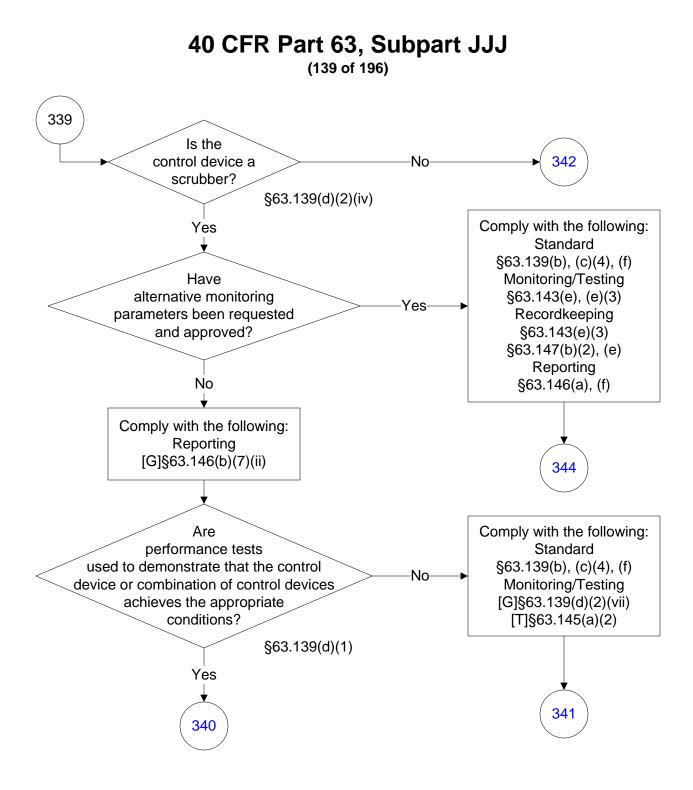
Yes

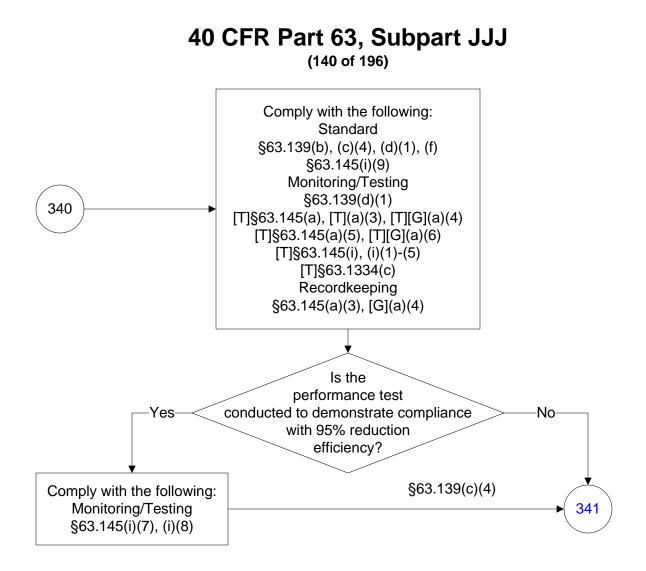
[T]§63.145(a)(2)

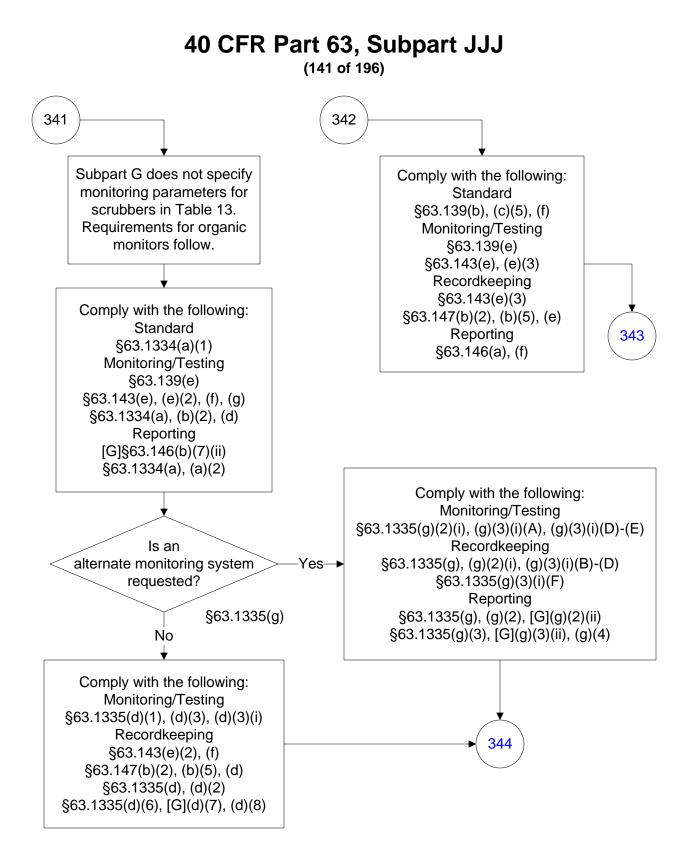


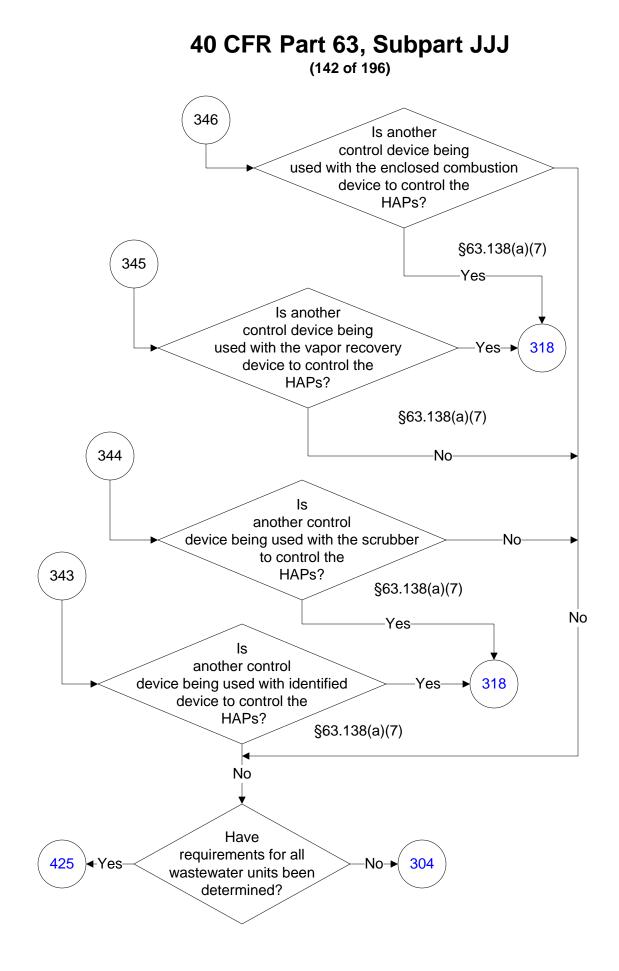


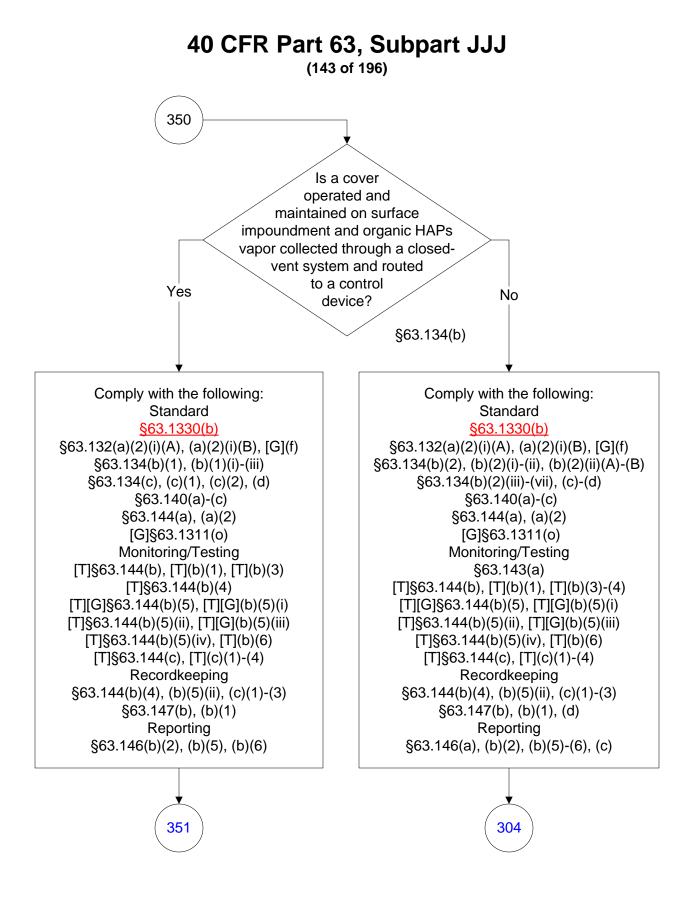


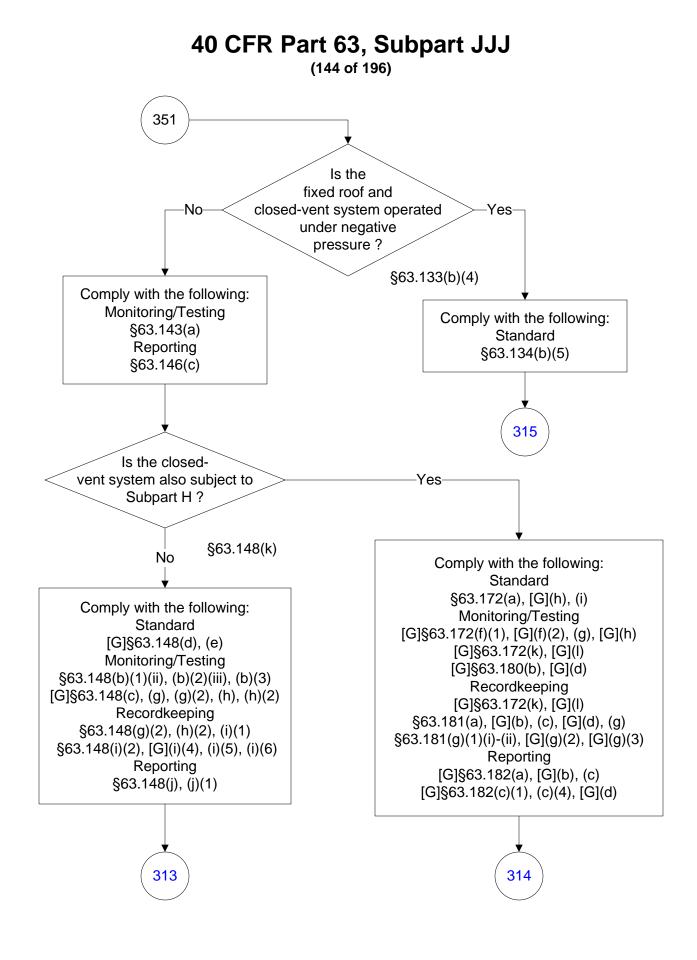


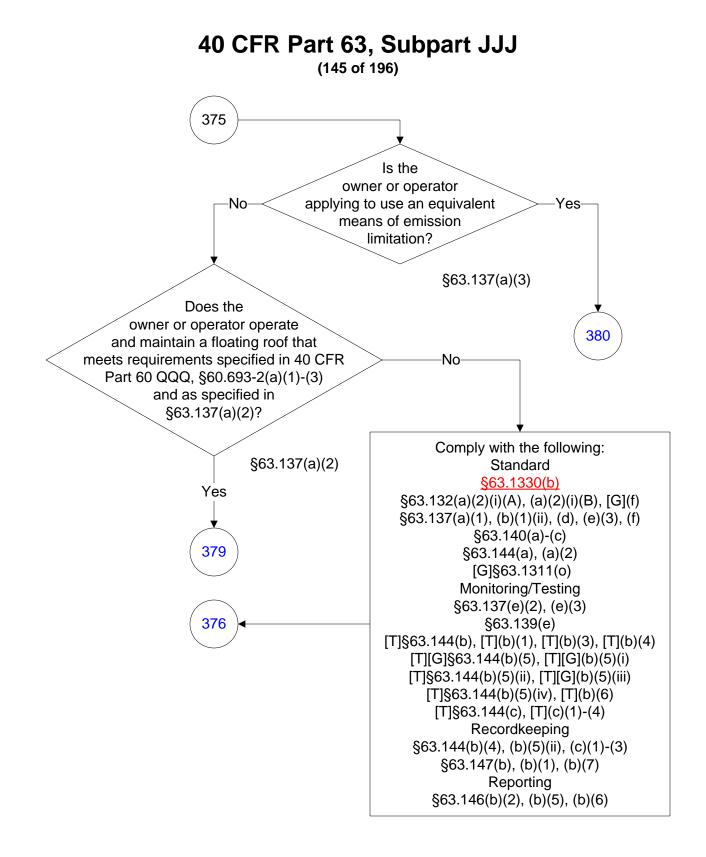


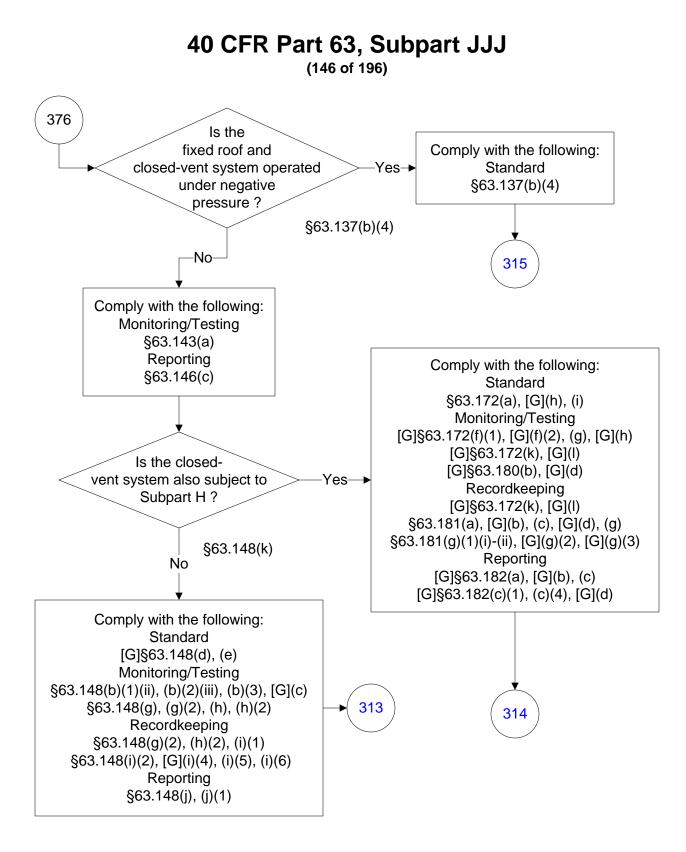


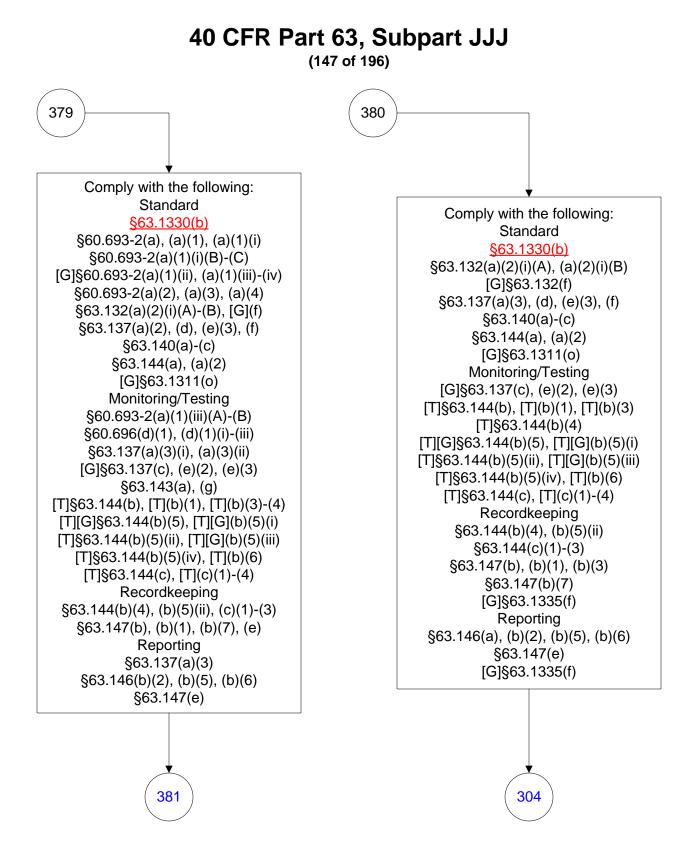




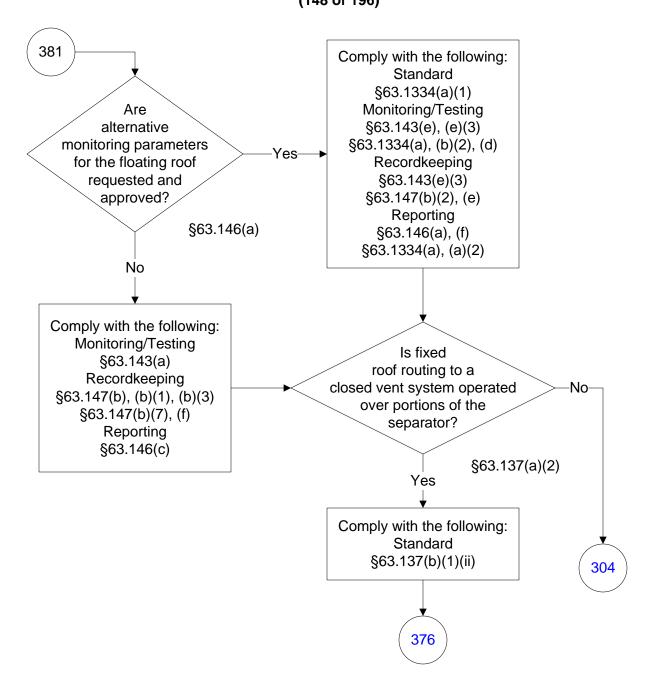


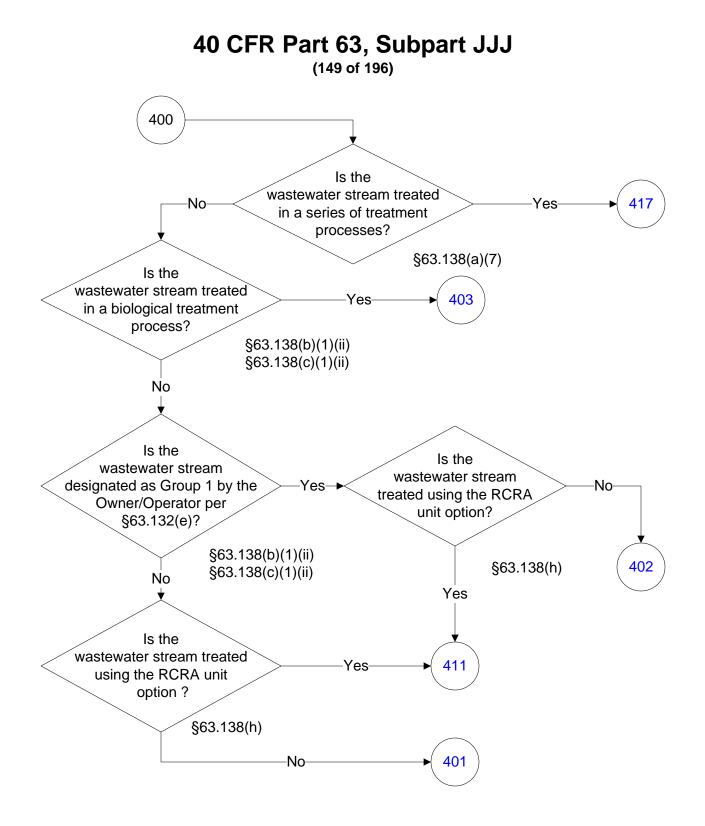


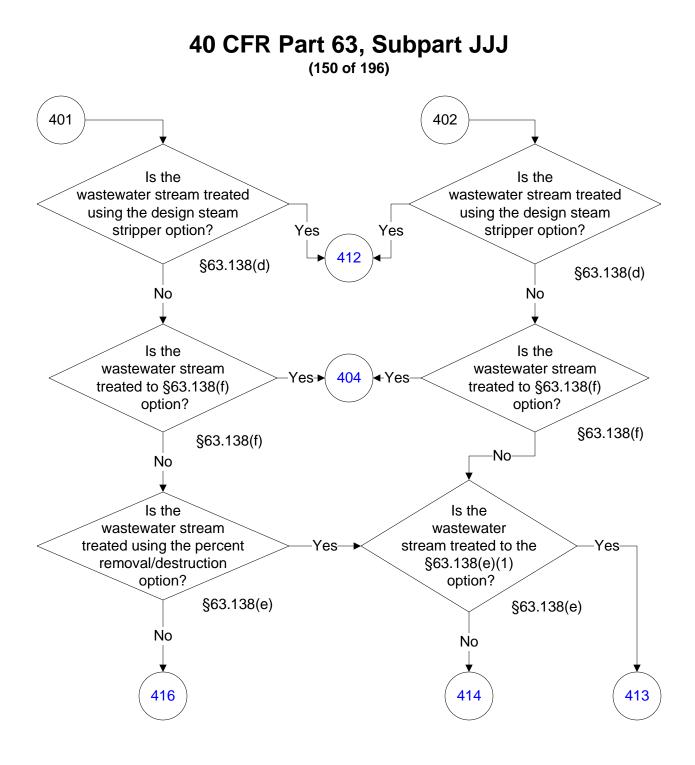


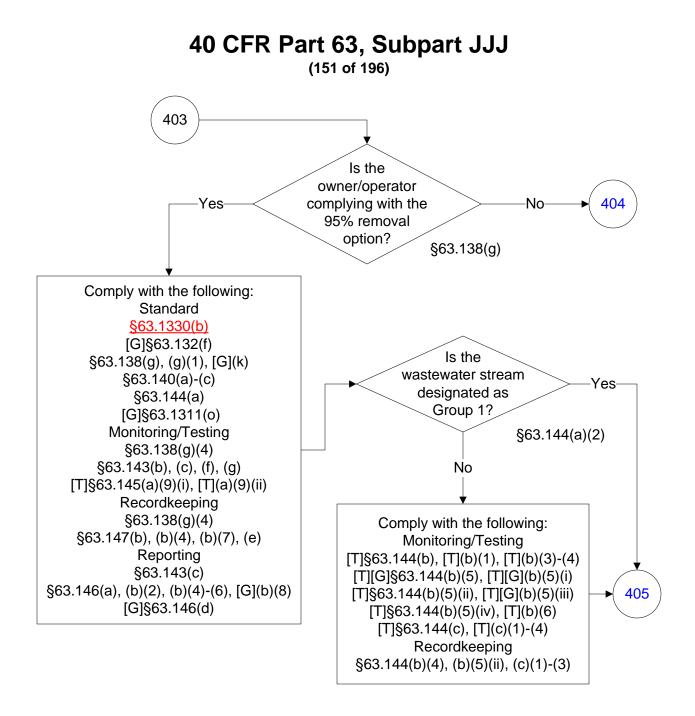


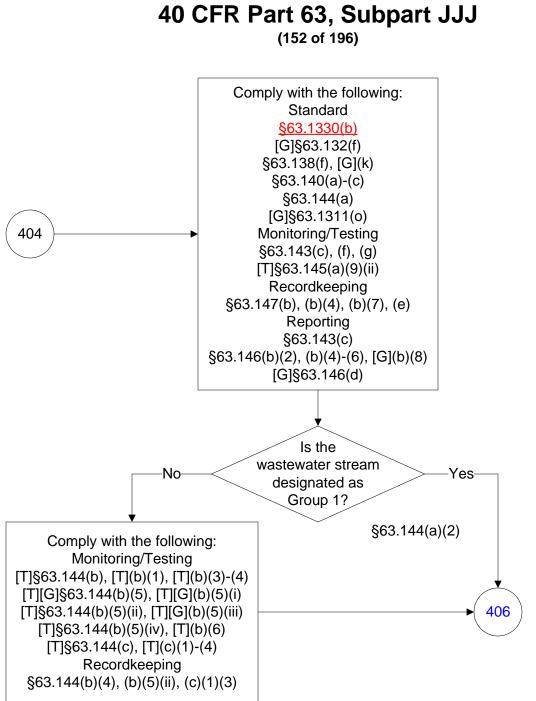
## 40 CFR Part 63, Subpart JJJ (148 of 196)

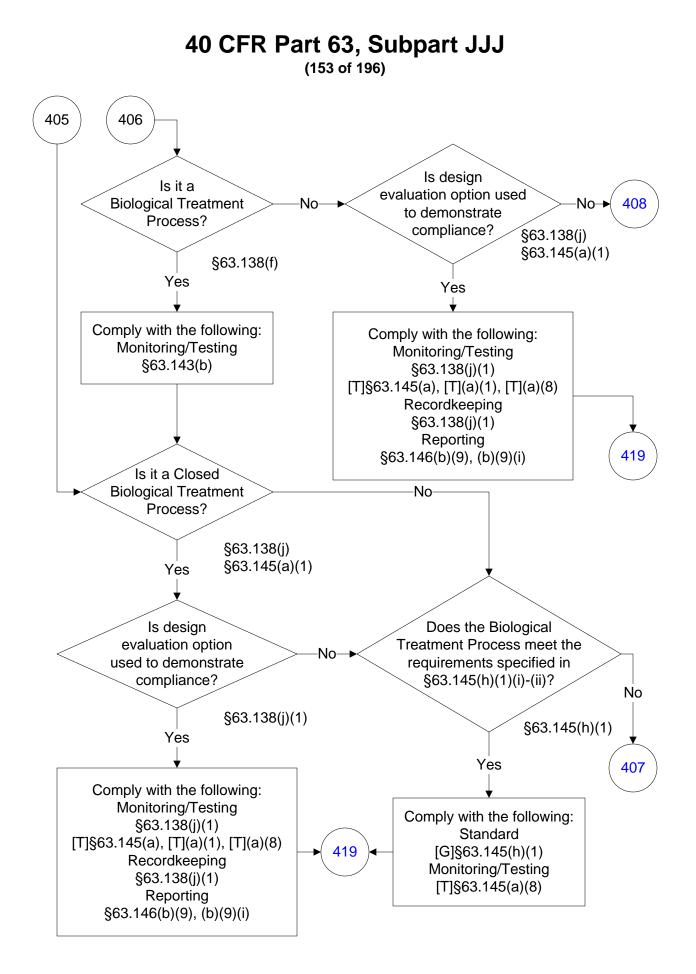






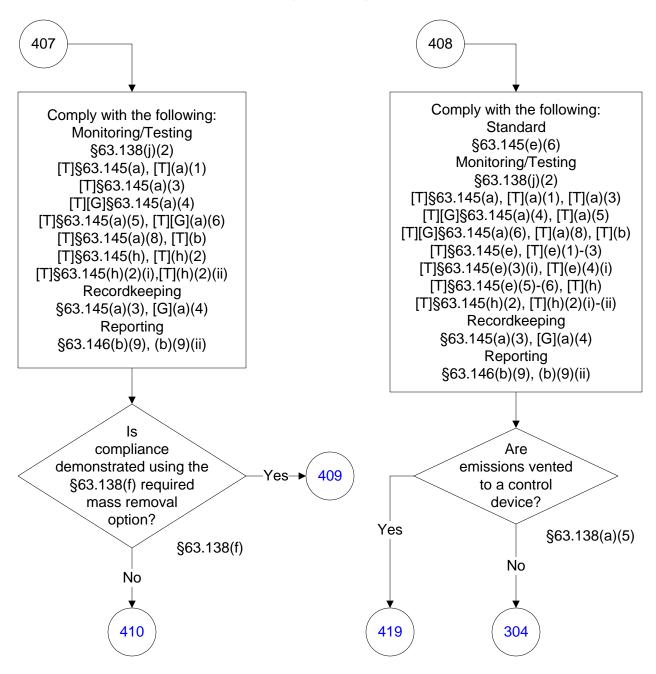


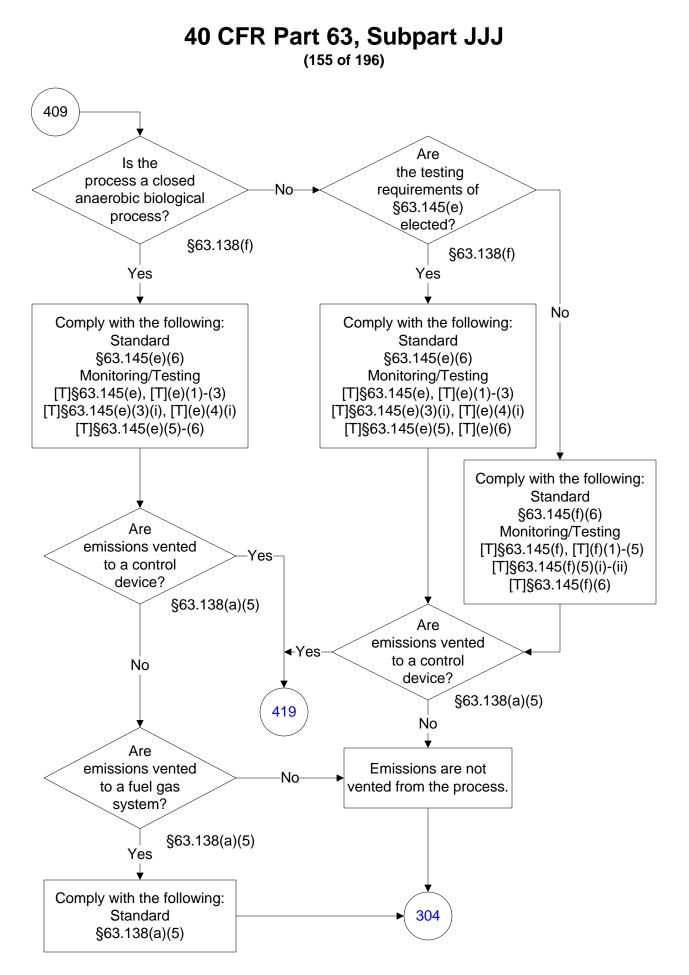


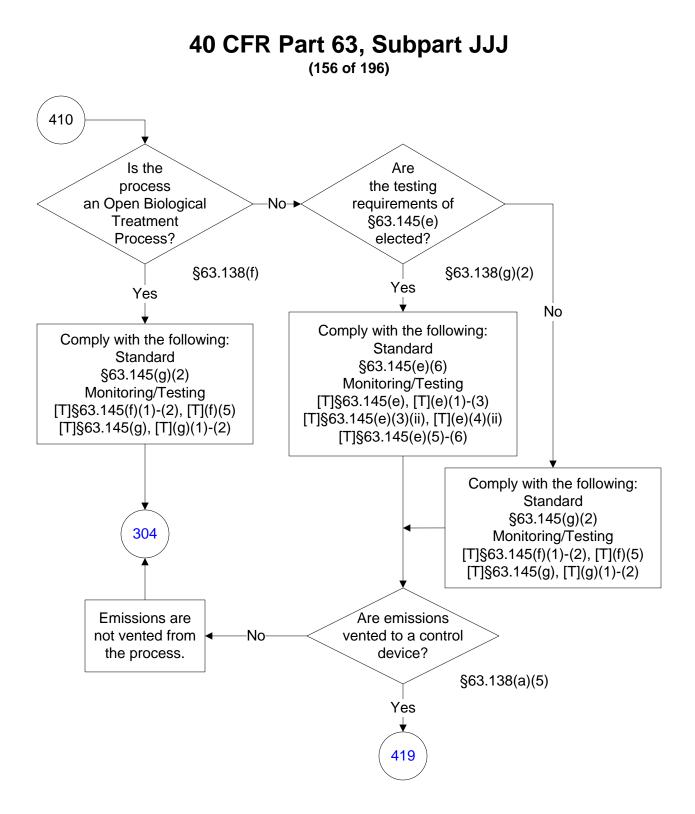


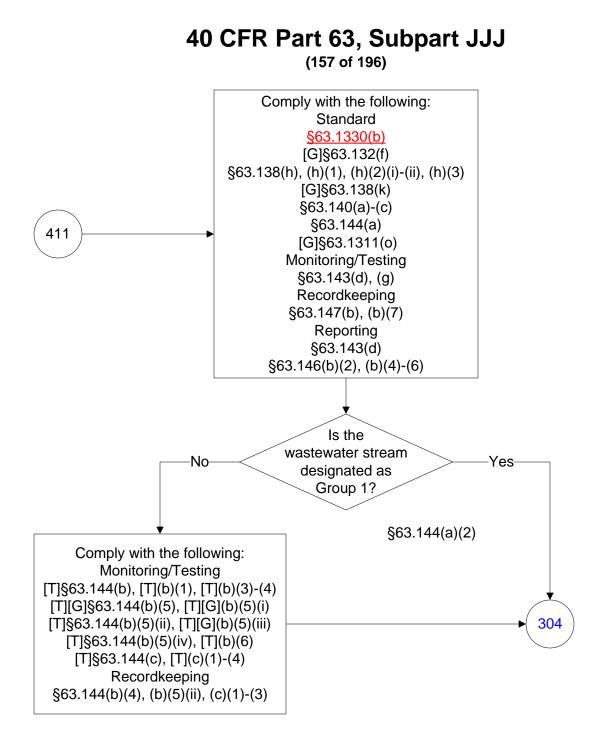
# 40 CFR Part 63, Subpart JJJ

(154 of 196)

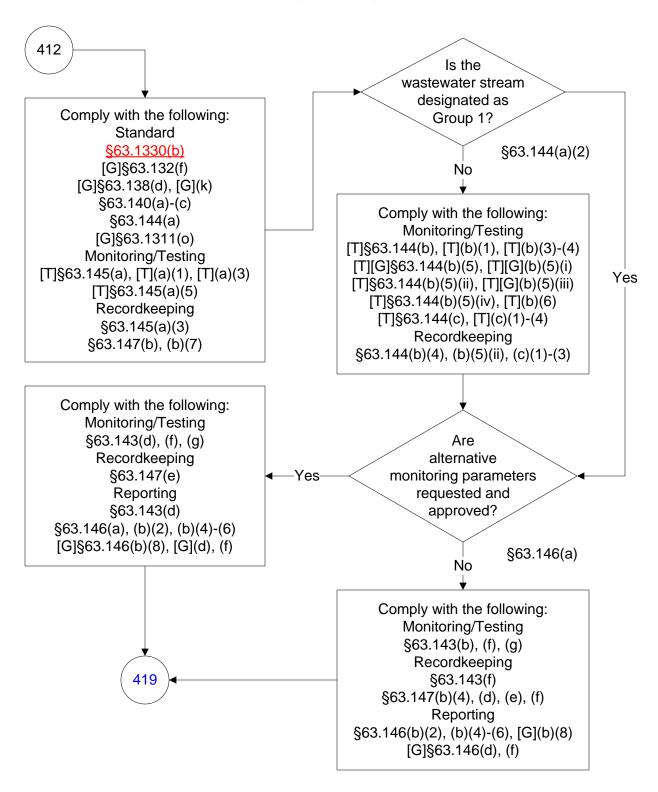


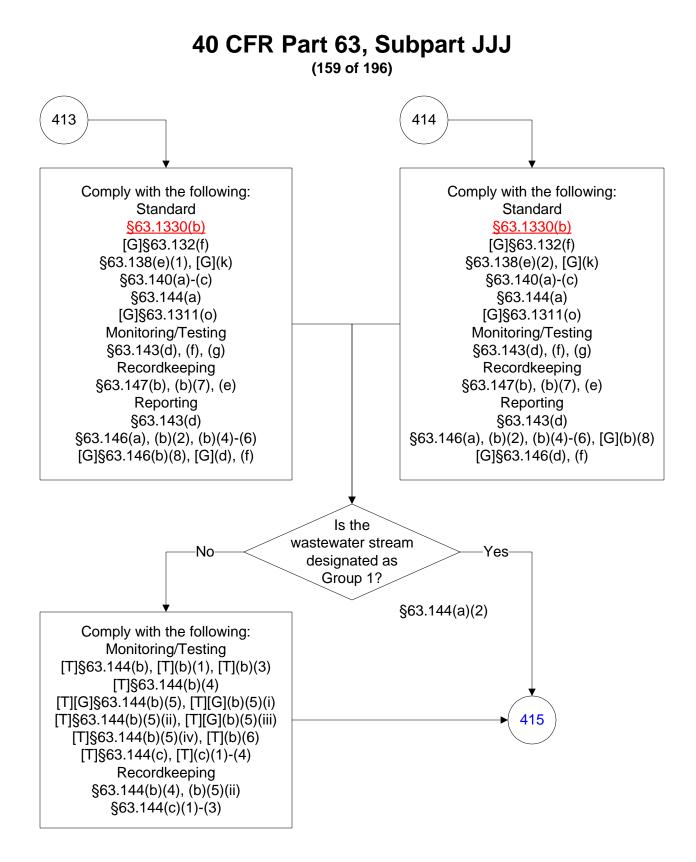






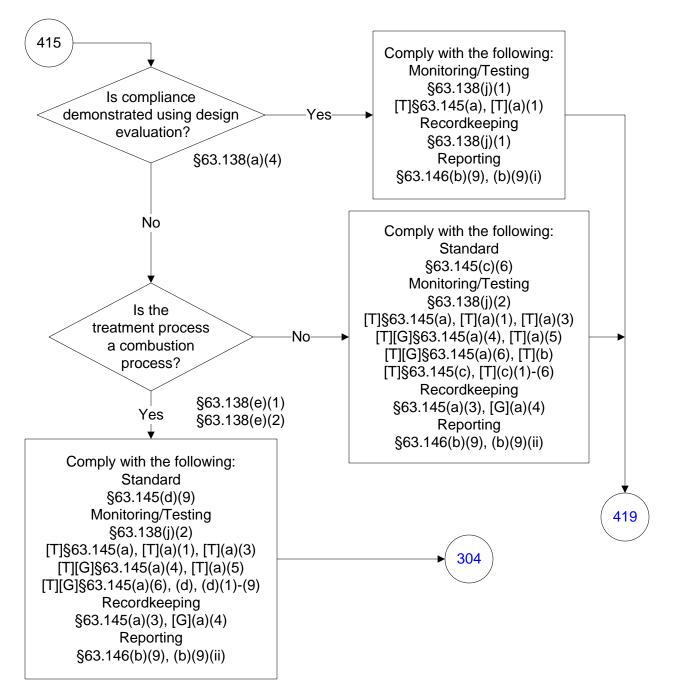
#### 40 CFR Part 63, Subpart JJJ (158 of 196)





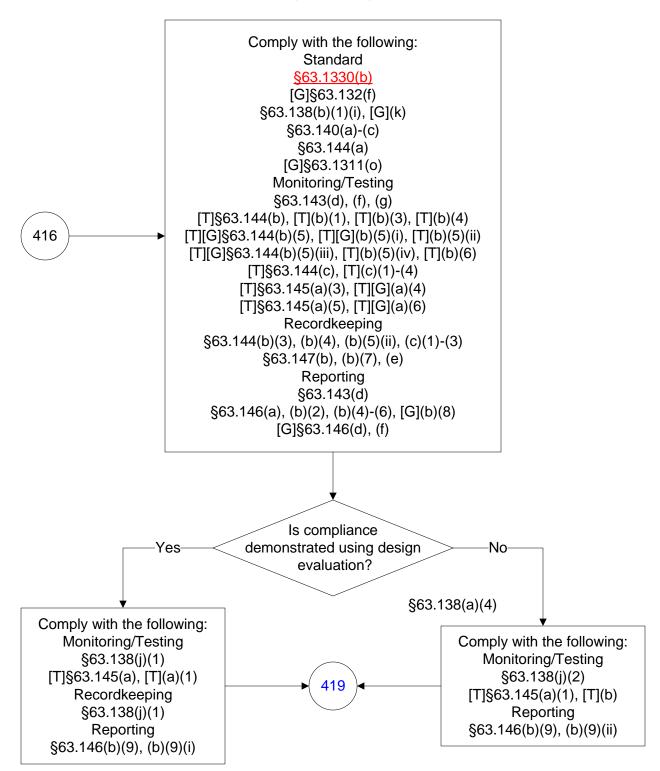
# 40 CFR Part 63, Subpart JJJ

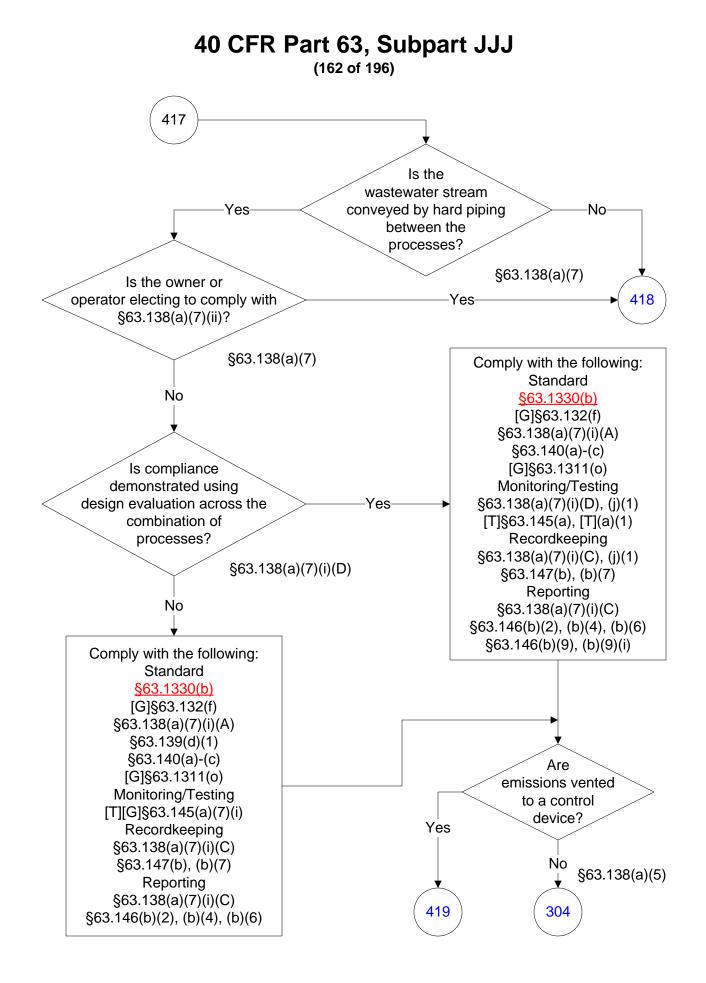
(160 of 196)

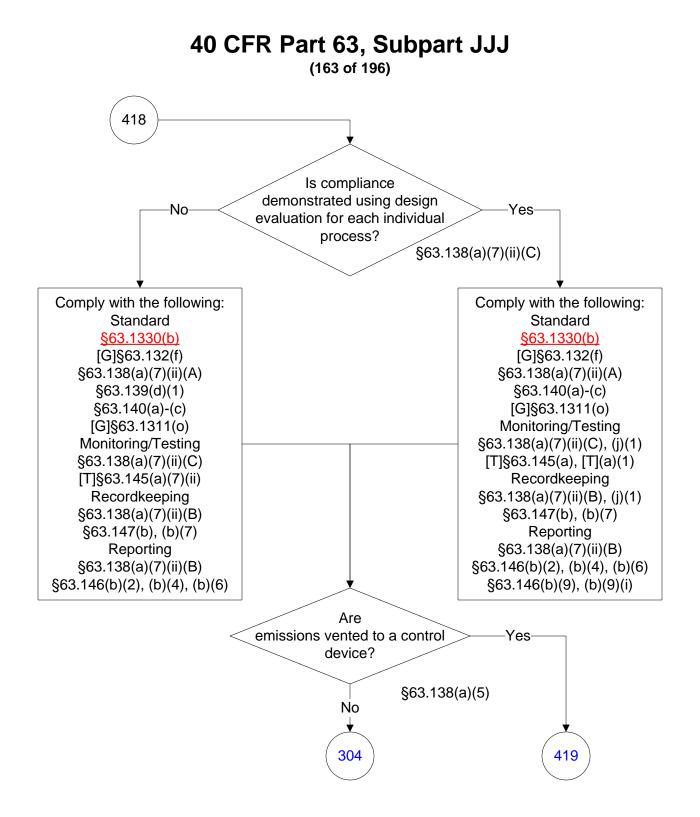


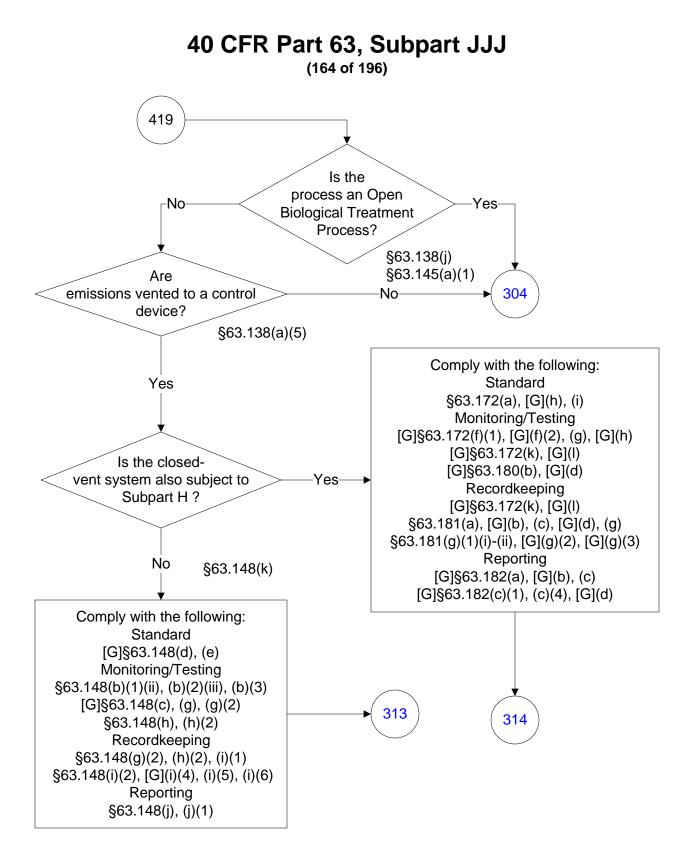
# 40 CFR Part 63, Subpart JJJ

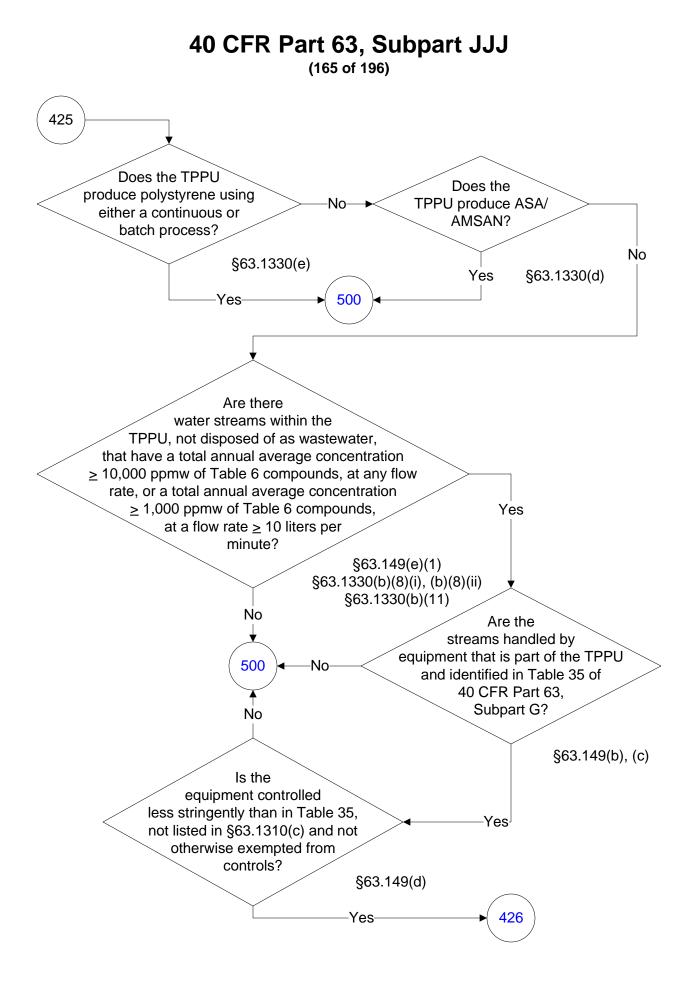
### (161 of 196)

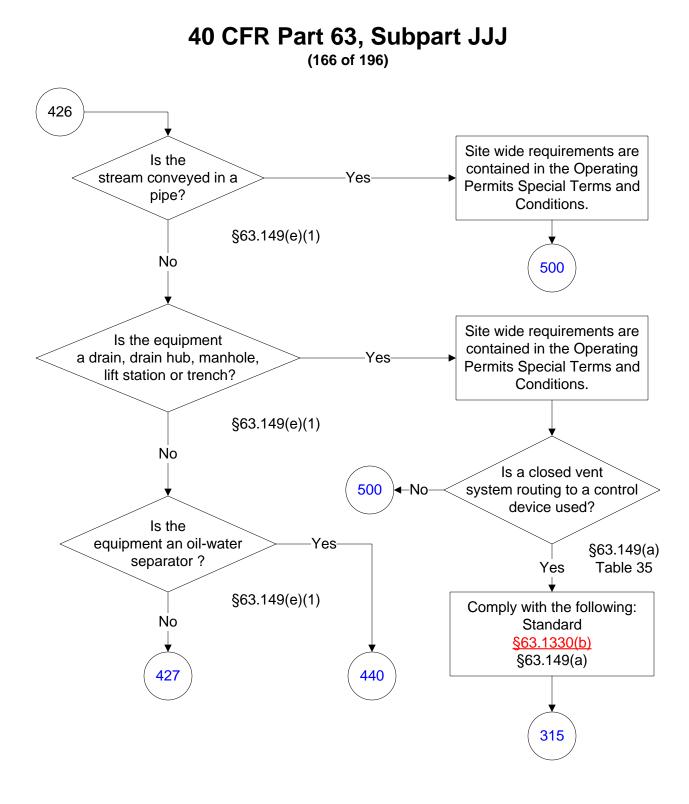


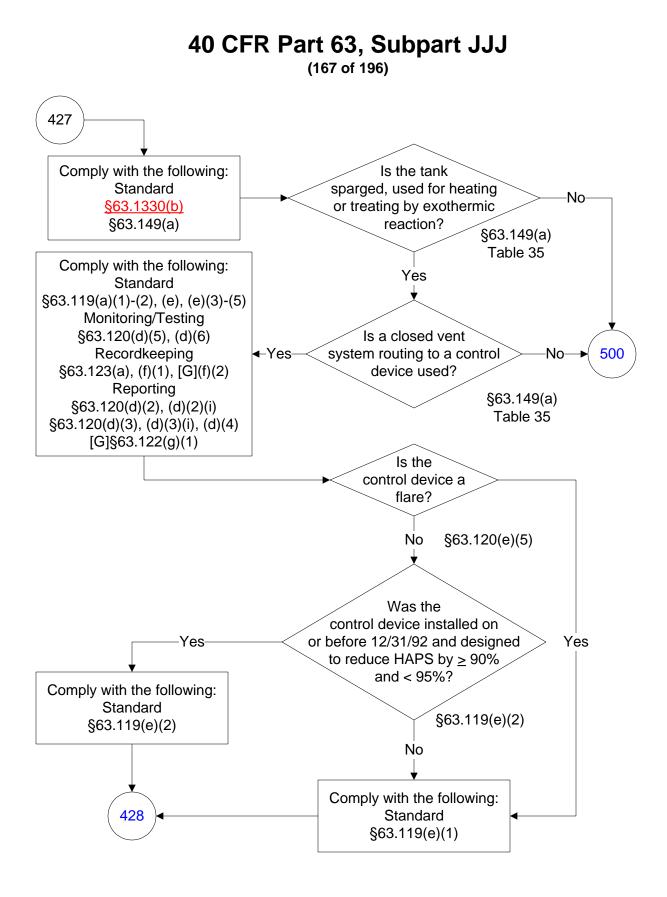


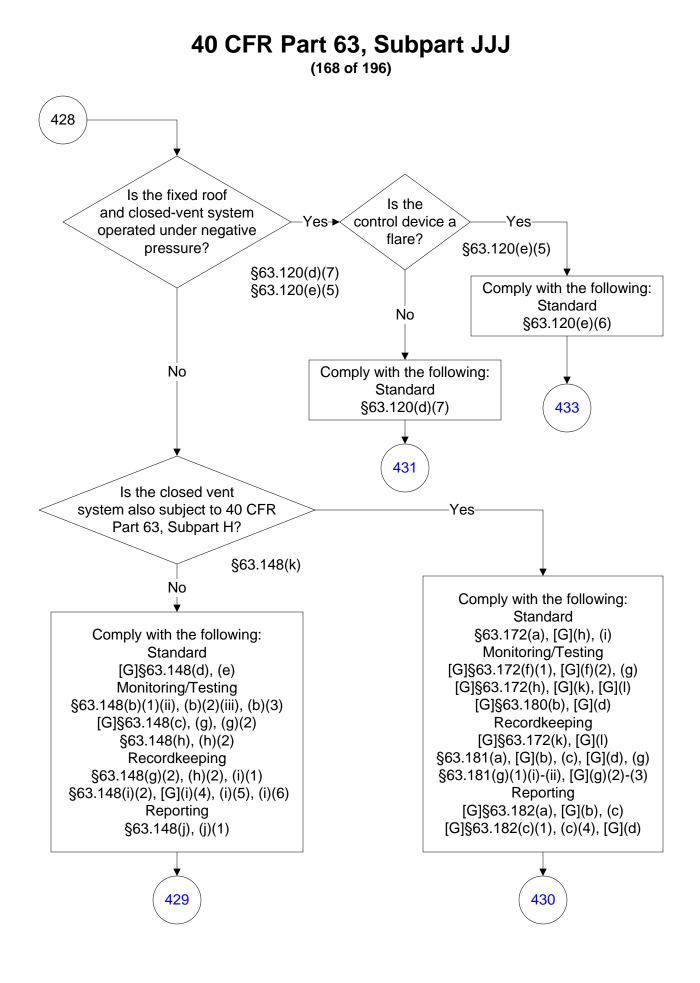


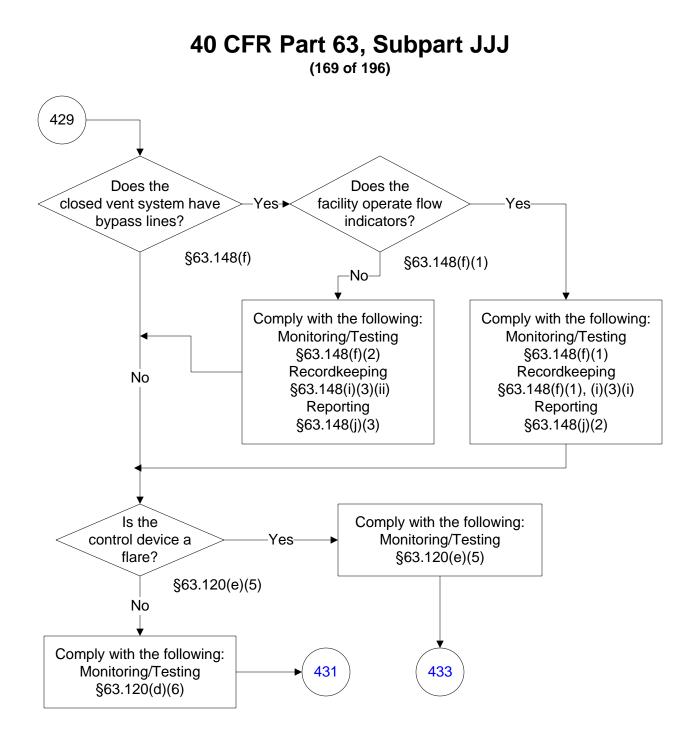


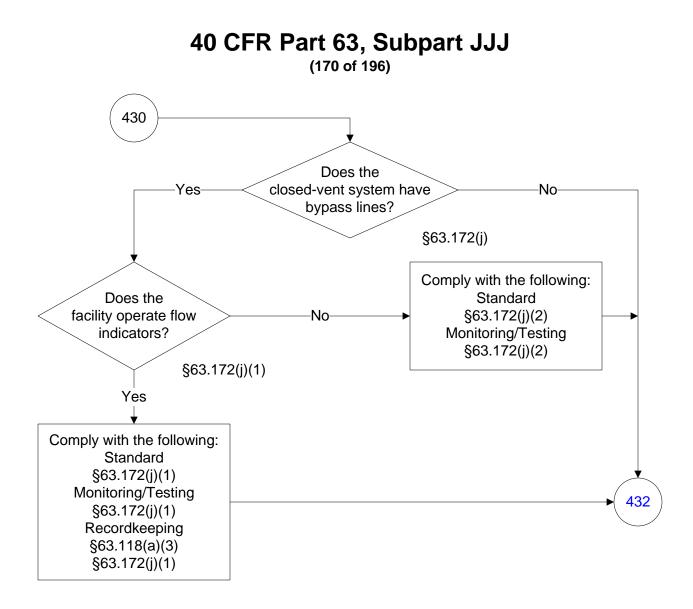


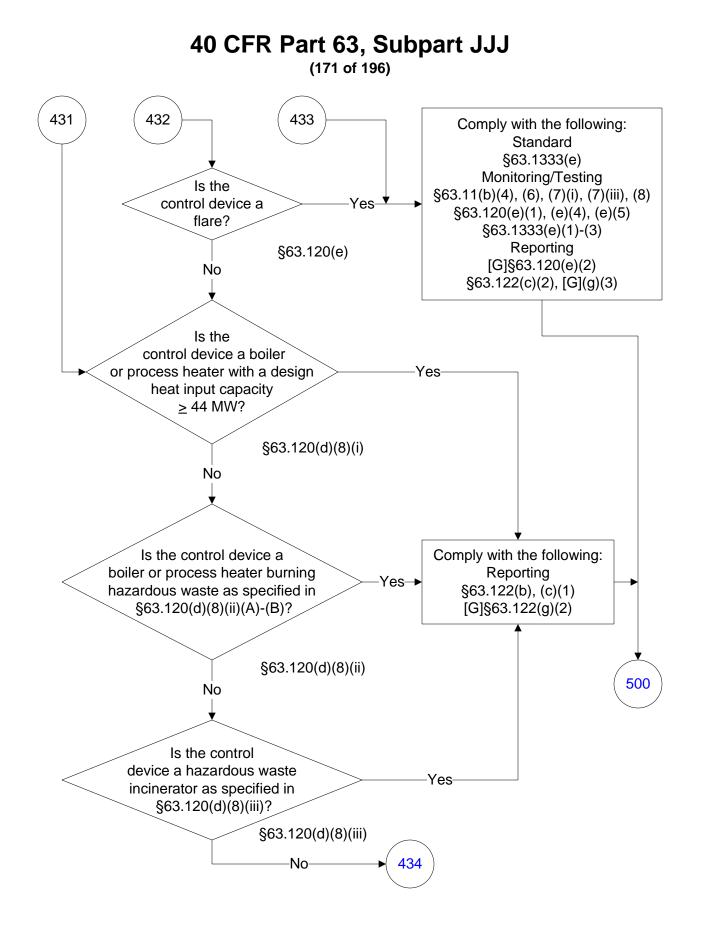


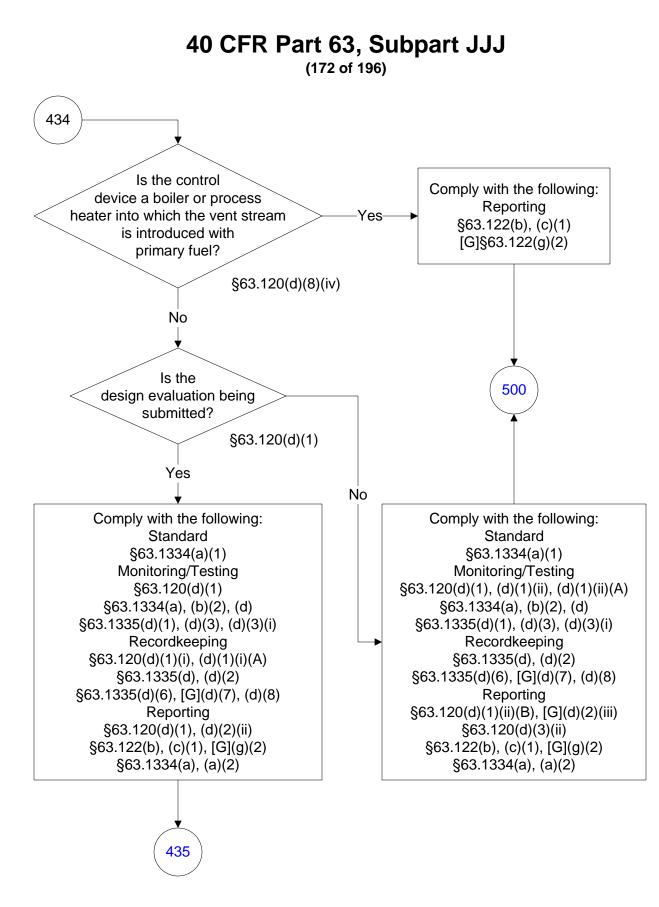


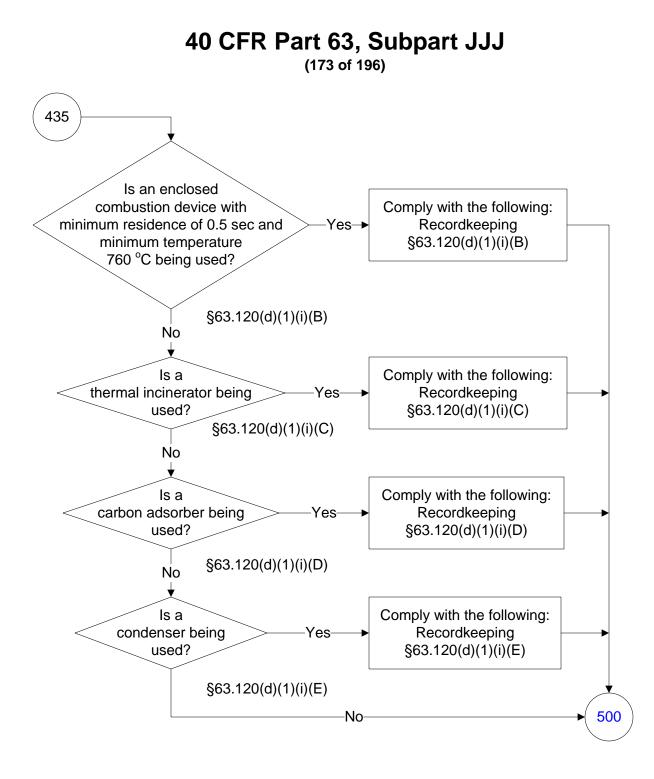


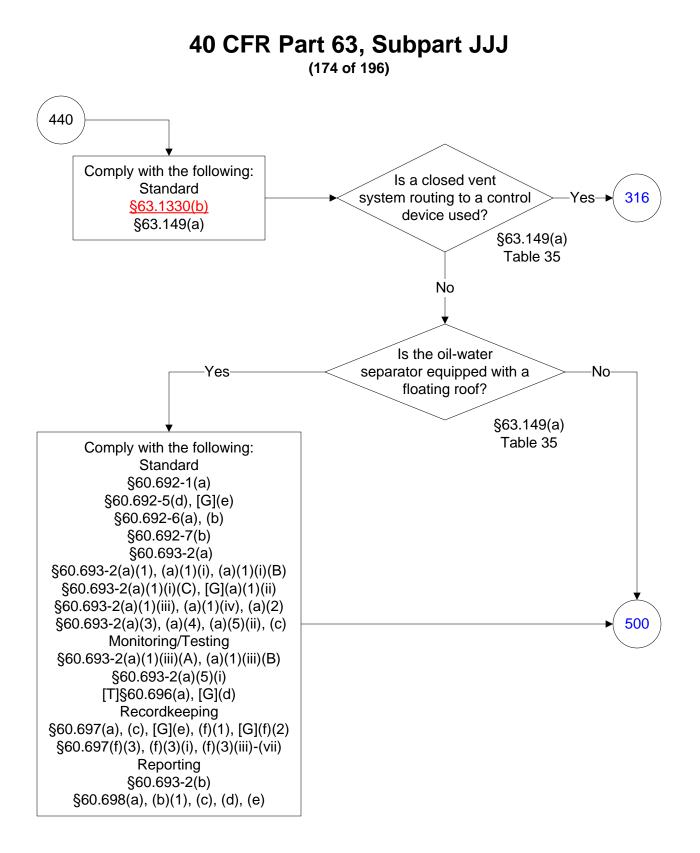


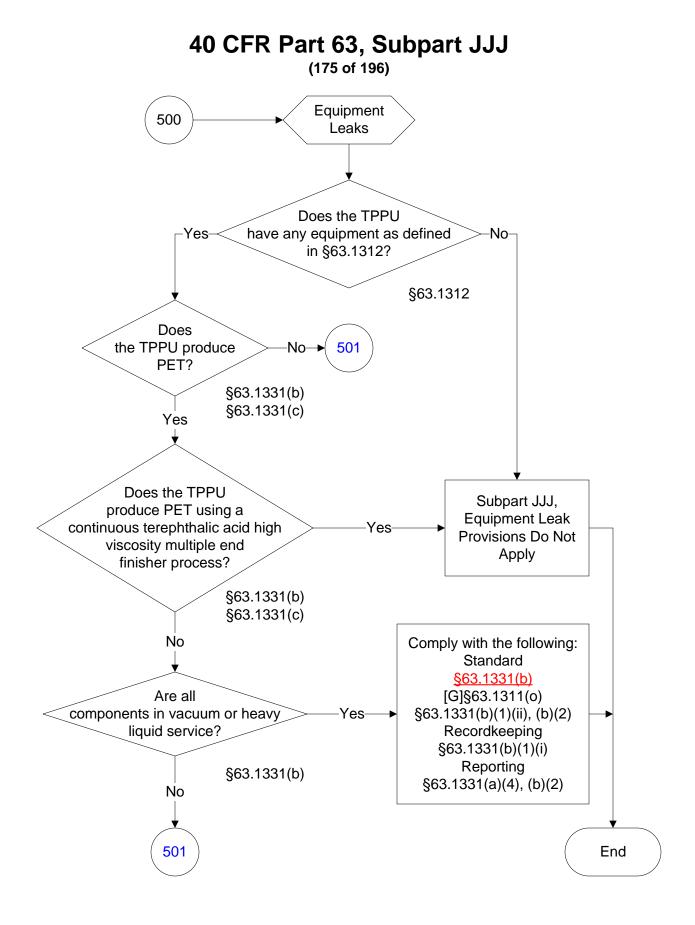


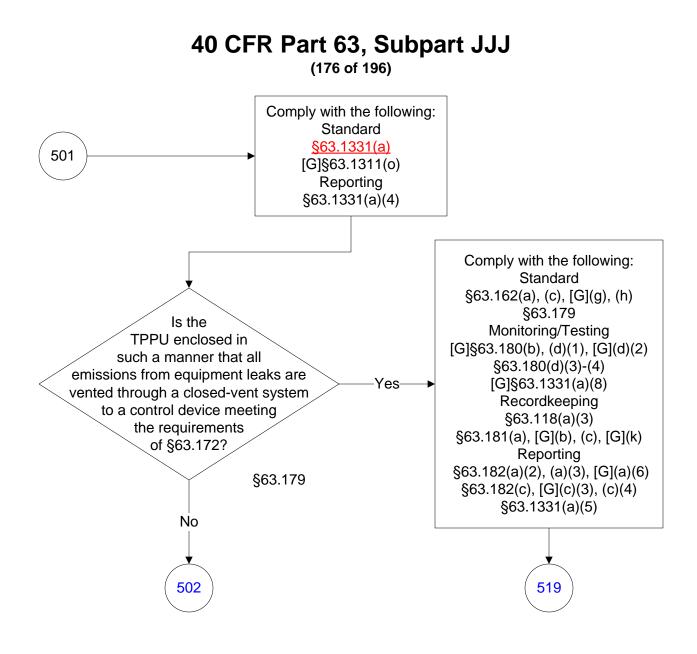


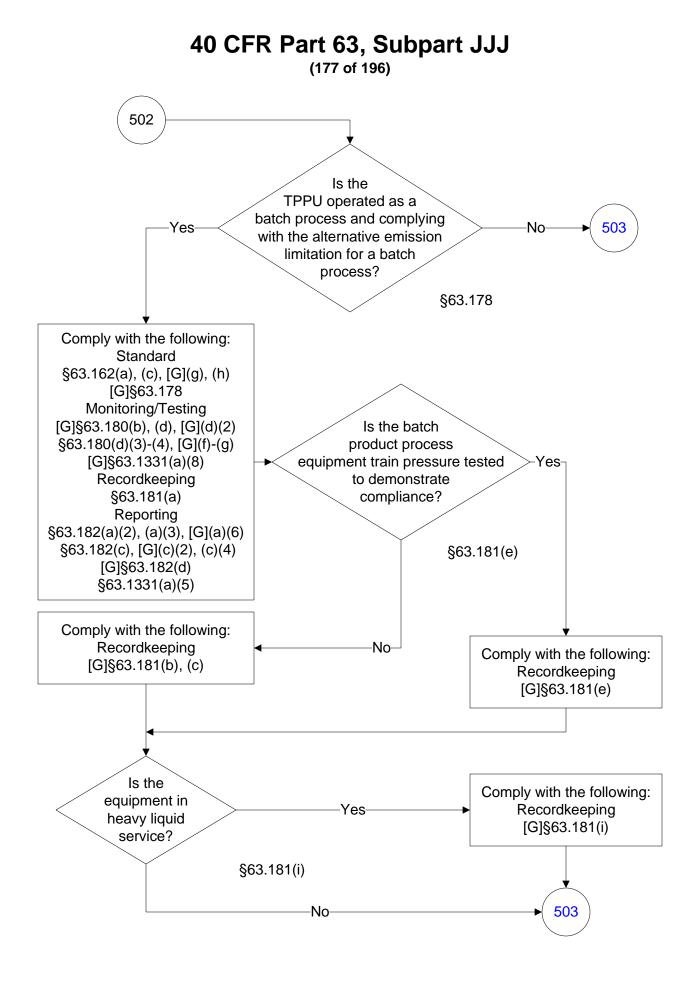


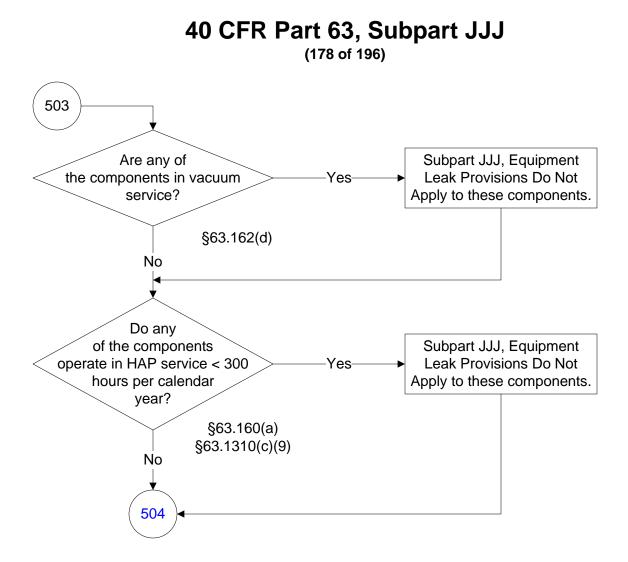


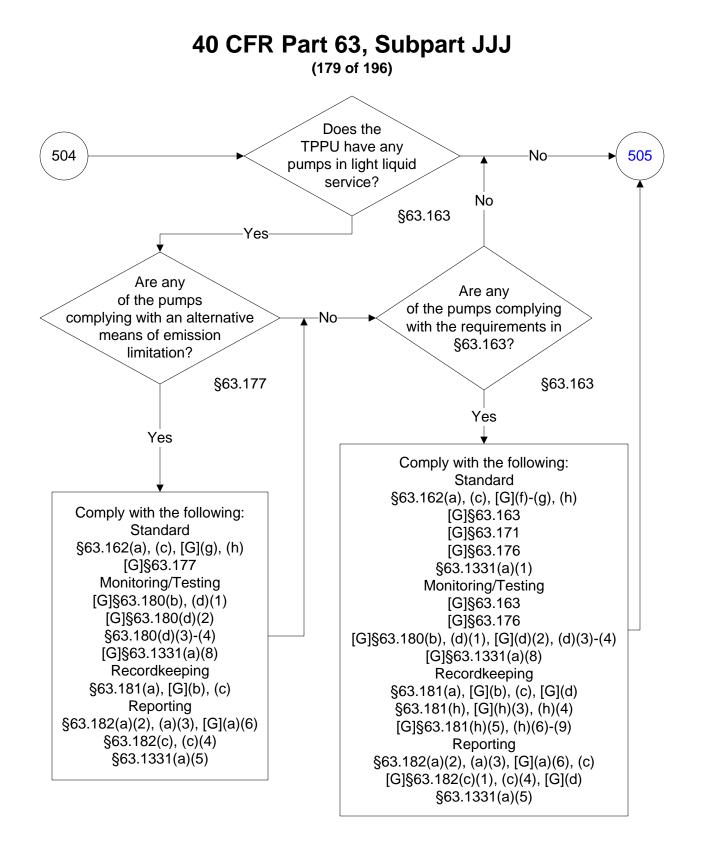


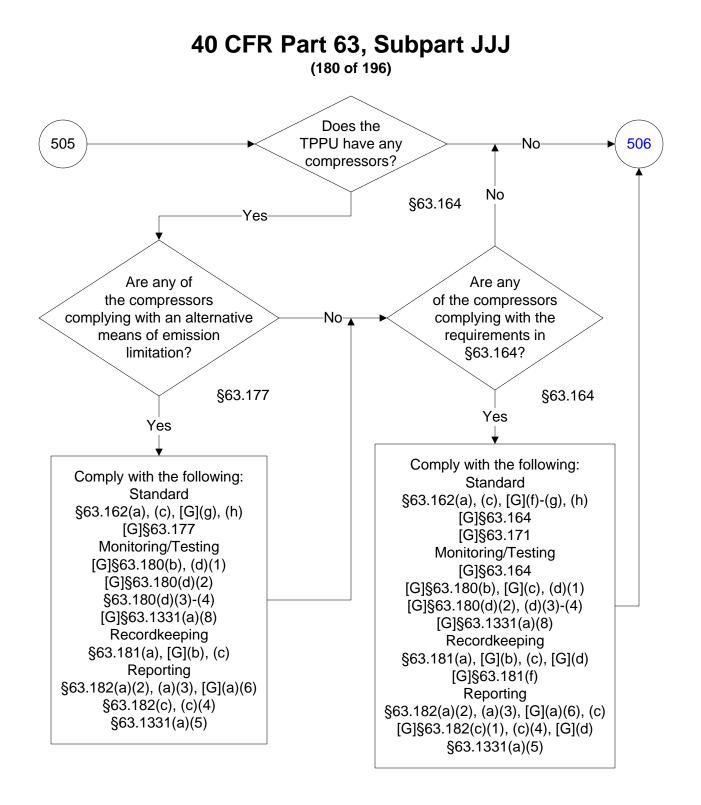


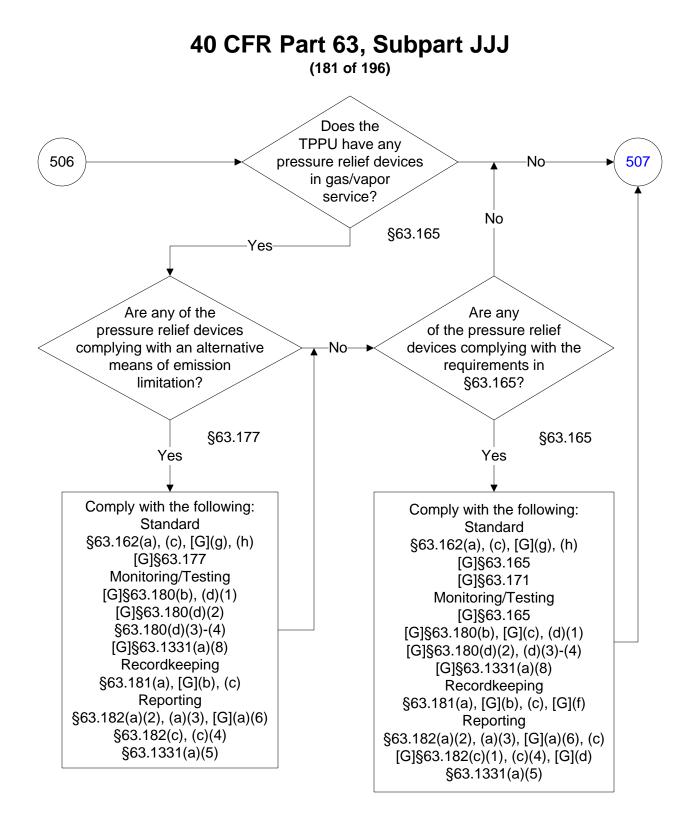


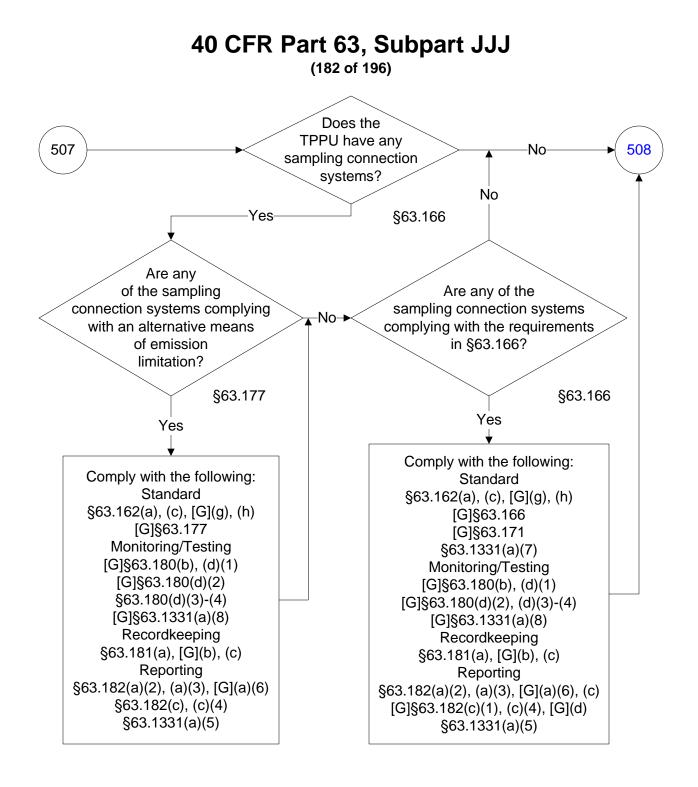


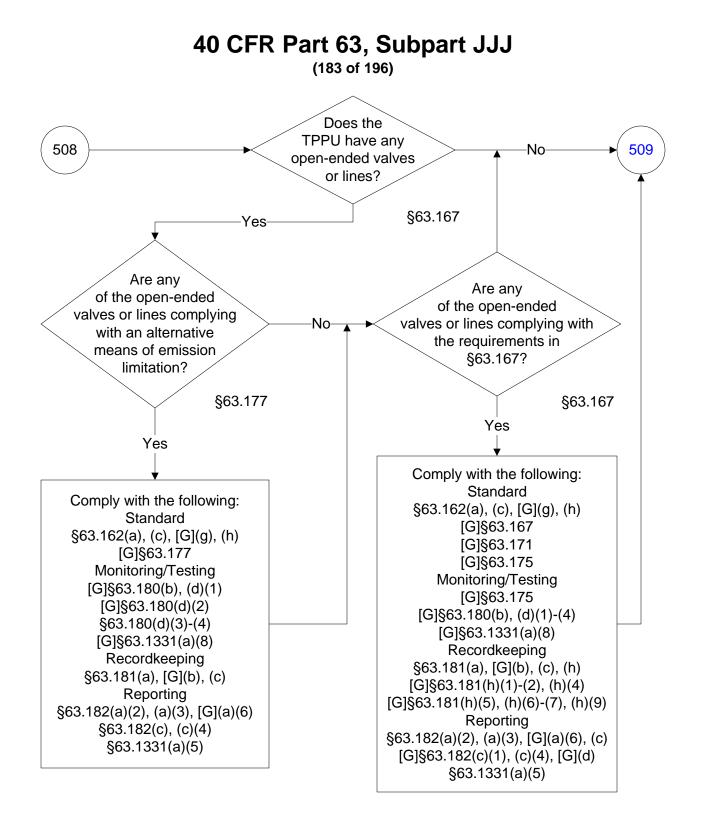


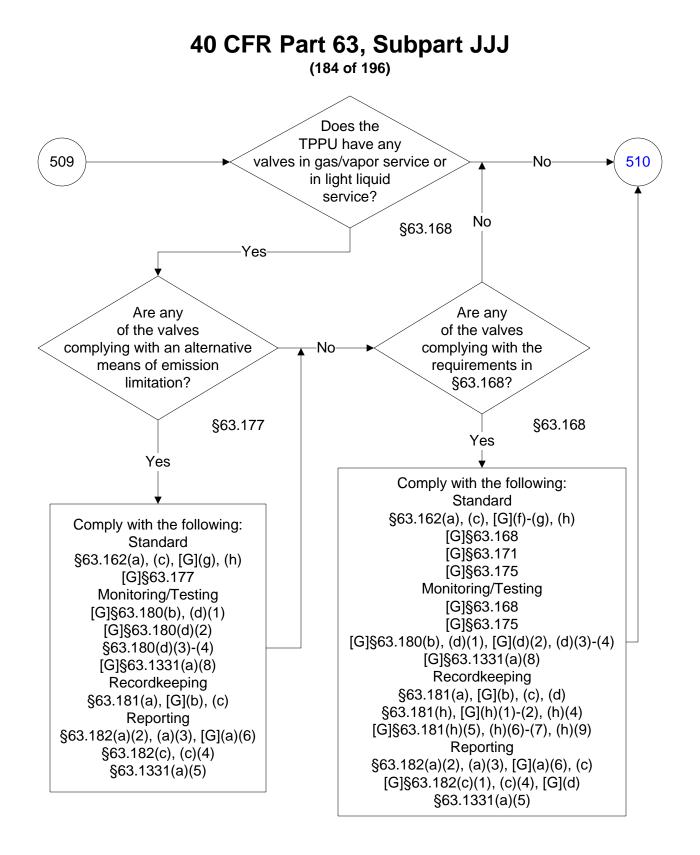


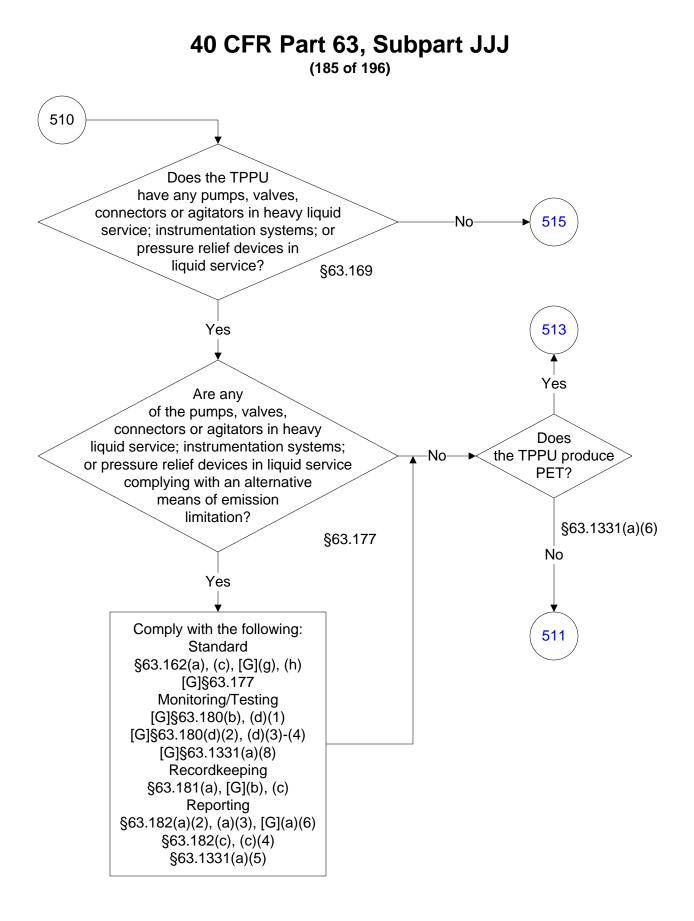










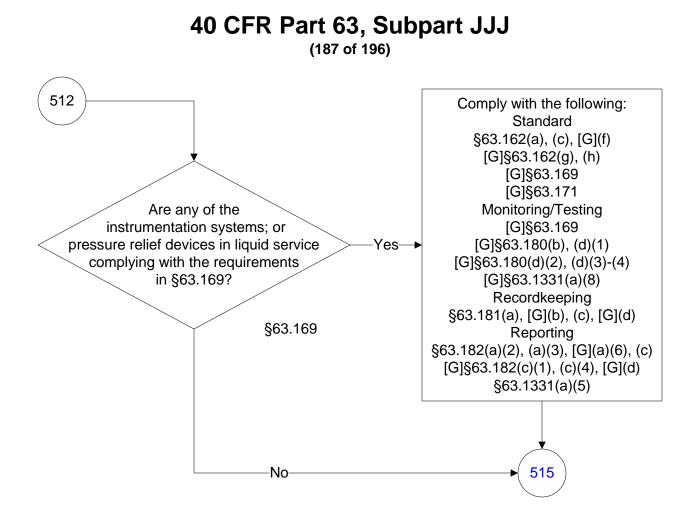


## 40 CFR Part 63, Subpart JJJ (186 of 196) Comply with the following: 511 Standard §63.162(a), (c), [G](f)-(g), (h) [G]§63.169 [G]§63.171 Are any of Monitoring/Testing the pumps in heavy [G]§63.169 liquid service complying Yes→ [G]§63.180(b), (d)(1), [G](d)(2), (d)(3)-(4) with the requirements [G]§63.1331(a)(8) in §63.169? Recordkeeping §63.181(a), [G](b), (c), [G](d), [G](i) Reporting §63.182(a)(2), (a)(3), [G](a)(6), (c) §63.169 [G]§63.182(c)(1), (c)(4), [G](d) §63.1331(a)(5) No Comply with the following: Standard §63.162(a), (c), [G](f)-(g), (h) [G]§63.169 [G]§63.171 Monitoring/Testing Are any of the valves, [G]§63.169 connectors or agitators in heavy [G]§63.180(b), (d)(1), [G](d)(2), (d)(3)-(4) Yes→ liquid service complying with the [G]§63.1331(a)(8) requirements in §63.169? Recordkeeping §63.181(a), [G](b), (c), [G](d), [G](i) §63.169 Reporting §63.182(a)(2), (a)(3), [G](a)(6), (c)

[G]§63.182(c)(1), (c)(4), [G](d) §63.1331(a)(5)

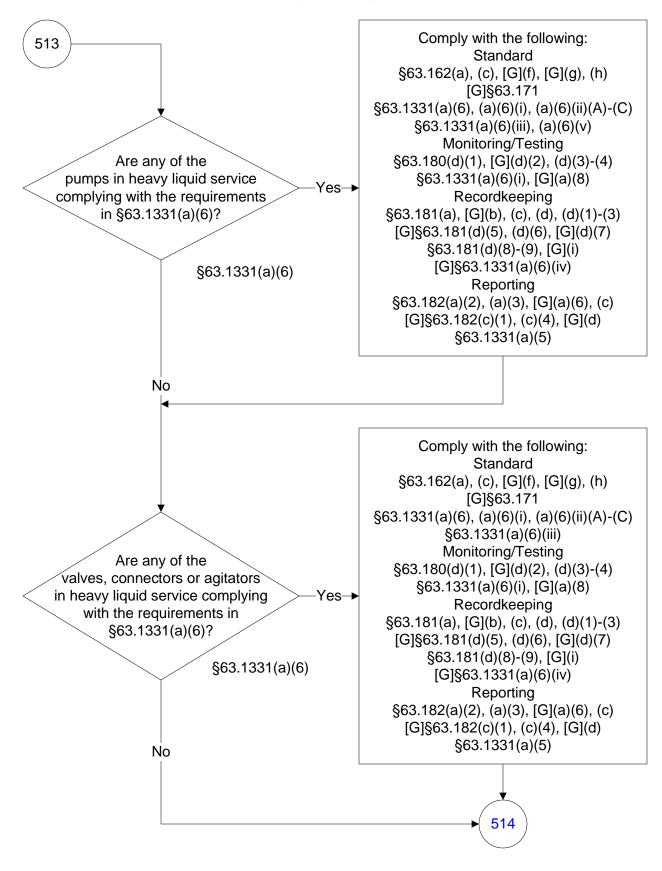
512

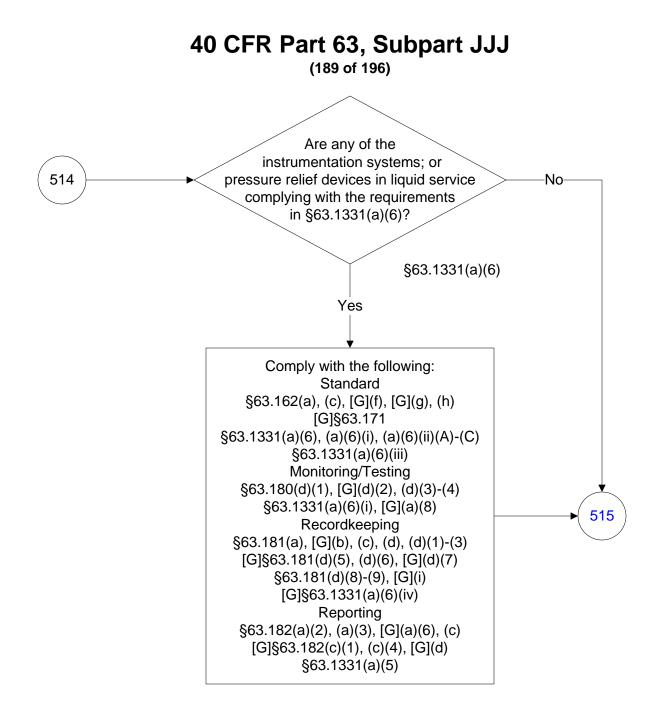
No

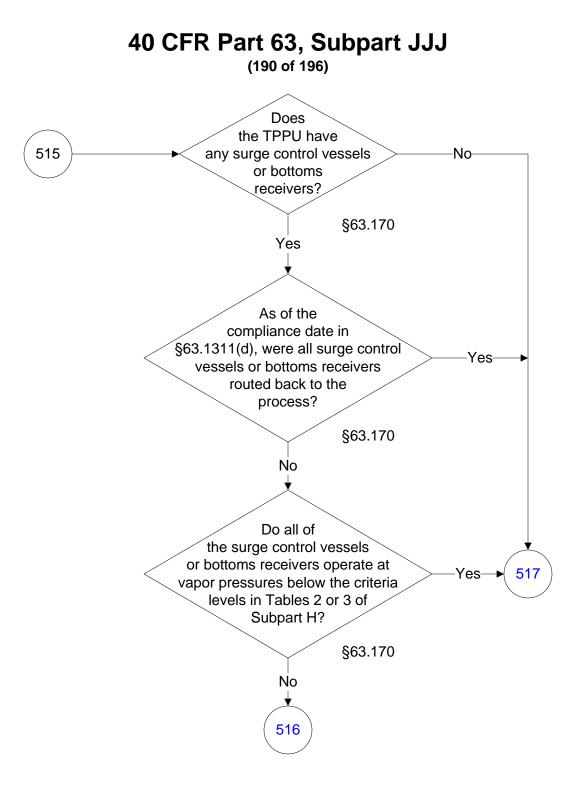


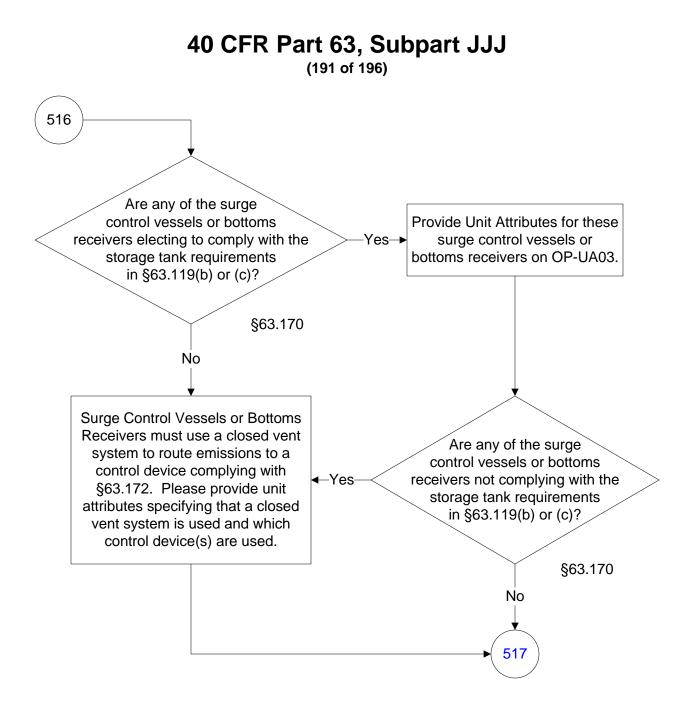
## 40 CFR Part 63, Subpart JJJ

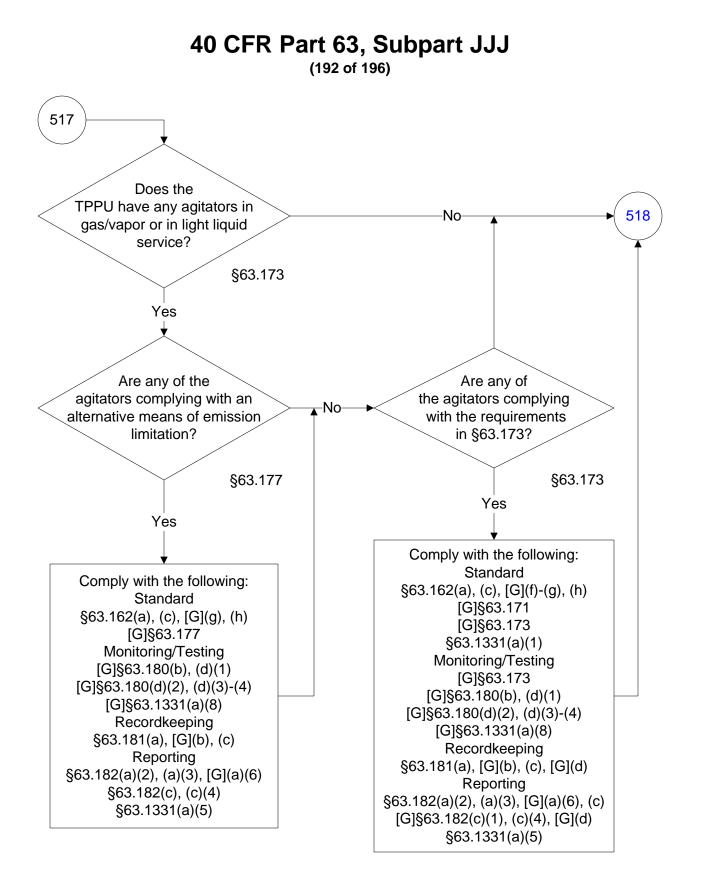
(188 of 196)

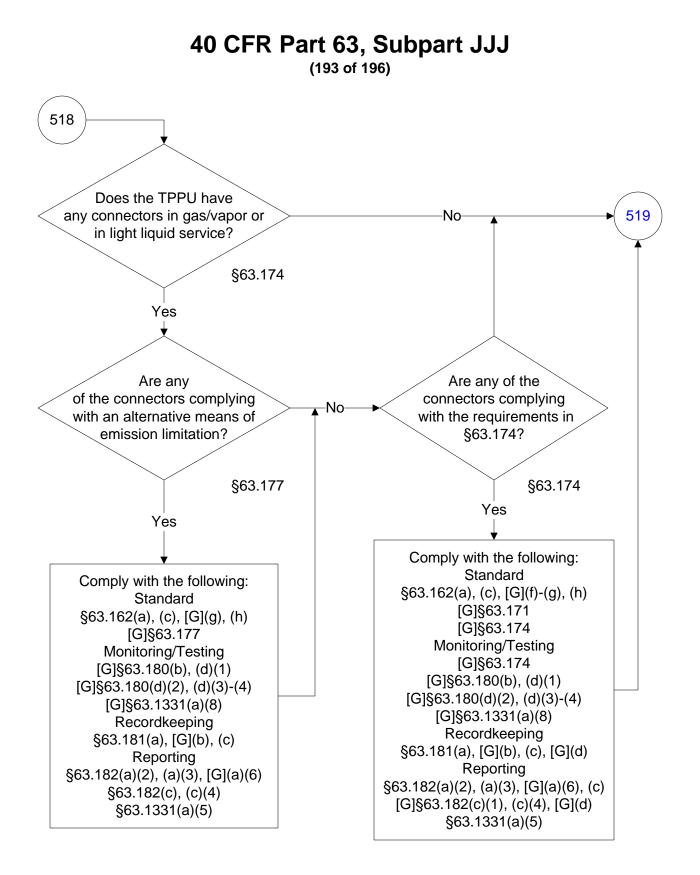


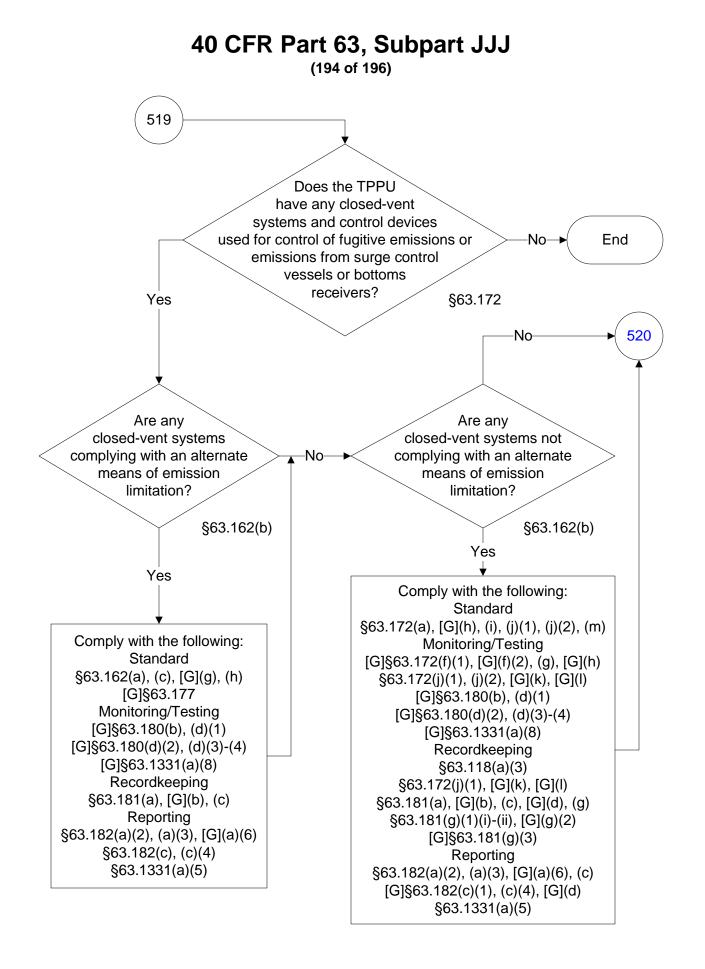






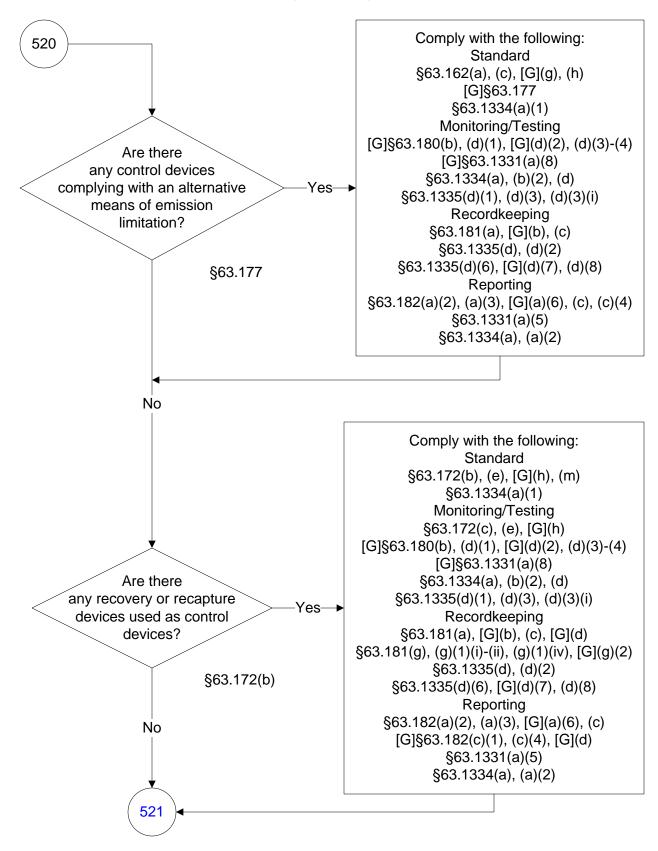






## 40 CFR Part 63, Subpart JJJ

(195 of 196)



## 40 CFR Part 63, Subpart JJJ

(196 of 196)

