

b. Underground piping [§599.15(b); §598.6(c)(1); §598.5(a)]? Can be in combination with: inventory with annual tightness test; vapor wells; gw wells; auto tank gauging; equiv. Y/N/X			
14. UST Systems - Monthly Inspections Monthly visual is performed [§598.6(a)(1)]? Y/N/X/1 (records not retained for 10 yrs §598.8(a))/2 (report signed, dated, certified §598.8(b))/3 (records not in SPR)/4(operability)			
15. AST Monthly (≥10% volume beneath ground) [§598.7(b)] a. Aboveground tank - Monthly leak detection is performed [§598.7(b)]? Y/N/X/1 (records not retained for 10 yrs §598.8(a))/ 2 (report signed, dated, certified §598.8(b)/ 3 (records not in SPR)			
b. Underground piping - Monthly leak detection is performed [§598.6(c);§598.7(b);§599.15(b)]? Y/N/ 1 (records not retained for 10 yrs §598.8(a))/ 2 (report signed, dated, certified §598.8(b)/ 3 (records not in SPR)			
16. UST Systems - Annual Inspections [§598.6(a)(2)] Date: _____ a. Automatic Line Leak Detector? Y/N(not performed)/1(no records in SPR)/2(records not retained 5 yrs)/3(no cert.)/4(not operational)			
b. Cathodic Protection System for Tanks? Y/N/X(not performed)/1(no records in SPR)/2(records not retained 5 yrs)/3(no cert.)/4(not maintained to achieve protection)			
c. Cathodic Protection System for Piping? Y/N(not performed)/1(no records in SPR)/ 2(records not retained 5 yrs)/3(no cert.)/4(not maintained to achieve protection)			
17. AST Systems - Annual Inspections [§598.7] Date Completed: _____ a. Aboveground Tank-			
(1) Visual inspections performed [§598.7(c)(2)]? Y/N/ 1 (records not in SPR)			
(2) For tank subject to corrosion, cathodic protection system is inspected by qualified technician and is maintained to achieve protection [§598.7(c)(1); §598.8(a); §598.8(b) & §598.9]?Y/N (not performed)/ X(not in contact with soil)/1(no records in SPR)/ 2 (records not retained 5 yrs)/ 3 (no cert.)/ 4 (not maintained to achieve protection)			
b. Aboveground Piping -			
(1) Visual inspections performed [§598.7(c)(2)]? Y/N/1 (records not in SPR)			
(2) For piping subject to corrosion, cathodic protection system is inspected by qualified technician and is maintained to achieve protection [§598.7(c)(1); §598.8(a); §598.8(b) & §598.9]? Y/N(not performed)/ X(not in contact with soil)/ 1 (no records in SPR)/ 2 (records not retained 5 yrs)/3 (no cert.)/ 4 (not maintained to achieve protection)			
18. AST Systems - 5-year Inspections [§598.7(d)] Date: _____ Aboveground tanks and piping must undergo a 5-year inspection in accordance with a consensus code, standard, or practice. An assessment & evaluation must be made of structural soundness, system tightness, corrosion, wear, foundation weakness & operability. Reports are dated, signed, & certified [§598.8(b)] & records are maintained for 10-year period [§598.8(a)]. For tanks > 10,000 gal, the inspection is certified by a NYS-licensed professional engineer. The remaining life expectancy must be determined.			
a. Aboveground tanks? Y/N/X/ 1 (not in accordance with code)/ 2 (no assessment)/ 3 (no cert)/ 4 (records not retained 10 yrs)/ 5 (no cert. for tank>10,000 g)/ 6 (records not in SPR)			
b. Aboveground piping? Y/N/X/ 1(not in accordance with code)/ 2(no assessment)/3(no cert)/4(records not retained 10 yrs)/5 (records not in SPR)			

19. UST Inspection - Reconditioned Tanks With Liners [§598.6(d)]? Y/N (not inspected internally)/X/ 1 (not performing to design specs)/ 2 (no assessment)/ 3 (no cert.)/ 4 (records not retained)/ 5 (records not in SPR)			
20. Facility report on status of compliance [§598.1(k)(2)(vii)]?			
C. Tank & Piping Certifications (Apply to tanks installed on or after 2/11/95)			
21. Does the SPR contain a certification statement for design and installation of tank and piping systems - a. USTs [§599.6(g)(4)& (5)]? Y/N/ X (no USTs)/1 (record not available)/2 (no records for 5 yrs)/3 (records not in SPR)			
b. ASTs [§599.11(f)(4) & (5)]? Y/N/ X (no ASTs)/1 (record not available)/2 (no records for 5 yrs)/3 (records not in SPR)			
c. Piping [§599.16(e)(3)&(4)]? Y/N/1 (record not available)/2 (no records for 5 yrs)/3 (records not in SPR)			
D. Life Expectancy/Warranty			
22. UST secondary containment liner - liner life expectancy is specified in the SPR [§599.4(d)]? Y/N/X			
23. Useful life for UST tank design, if < 30 years, is specified in the SPR [§599.3(c)(1)]? Y/N/X			
24. Useful life for AST tank design, if < 30 years, is specified in the SPR [§599.8(b)(1)]? Y/N/X			
25. Piping life expectancy is specified in the SPR? [§599.13(a)(1)]? Y/N			
E. Additional Requirements			
26. Are rupture disks replaced			
a. Every 3 years, Y/N (no option selected)/X			
b. According to manufacturer's guidelines, Y/N (no option selected)/X			
c. On the basis of operating experience [§598.9(f)]?Y/N (no option selected)/X			
27. Does SPR contain a site assessment for UST, or AST with ≥10% volume beneath ground, for{ closure[§598.10(e)]; {change-in-service [§598.10(a)(2)} or {when directed by the department[§598.1(g)(3)]} Y/N/X (not applicable)/1 (inadequate)/2 (not in SPR §598.1(k)(4) &§598.10(e)(4))			
28. If facility have written procedures to prevent deliveries to the wrong tank, are they referenced in SPR [§598.4(b)(7)]? Y/N/X (single tank with no other fill ports, or facility has mated connections)			

III. TRANSFER STATIONS & HAZARDOUS SUBSTANCE TRANSFERS

YES NO X

29. <u>Transfer station</u> [§599.17(c)(2)]: Transfer stations must have a permanently installed secondary containment system. Containment system must have an acceptable spill containment volume; satisfy permeability to substance stored; constructed, coated, or lined with materials that are compatible with substance stored; and equipped with a sump and manually-controlled drainage system (must be locked closed). Y/X/N (no containment)/ 1 (not perm. installed)/ 2 (unacceptable cont. vol.)/ 3 (permeable)/ 4(not maintained)/5 (incompatible)/ 6 (no sump or lockable drainage valve)			
To prevent mixing of incompatible substances: [§598.4(b)(7)] 30. Does the facility have written site procedures in SPR to prevent delivery to the wrong tank, fill ports with mated connections? Y/N/X (have written procedures, or facility has single tank of any type)			

47. Level gauge [§599.17(b)(1)(iii)]									
a. If a remote fill is present, is there a level gauge & flow control at remote fill port? Y (has both) / N (neither)/ X/ 1 (no gauge)/2 (gauge not operational)/3 (no flow control)/ 4 (flow control not operational)									
b. If no remote fill port, is there a level gauge at the AST? Y(has gauge or tank is translucent)/ N/ 1(not operational)									
48. Vacuum and over pressurization [§599.18]?									
a. Vacuum and over pressurization equipment installed? Y/N									
b. Relief valves (safety, pressure, & vacuum) are properly labeled [§599.18(d)]? Y/N/X									
49. Secondary Containment [§598.5(c) & §599.9].									
a. Tank has secondary containment? Y/N									
b. Spill containment volume is 110%? Y/N									
c. Construction satisfies permeability of 1×10^{-6} cm/sec to substance stored? Y/N									
d. Constructed, coated, or lined with materials that are compatible? Y/N									
e. Equipped with a sump and a drainage system which is manually-controlled from outside the diked area? Y/N									
f. Is gravity drainage system valve locked closed)? Y/N/X									
50. Valves for filling/emptying a tank are properly labeled for closed/open positions [§598.4(b)(8)]? Y/N									
51. AST tank properly labeled [§596.2(h); §599.17(b)(1)(iii)]? Tank ID #; chemical or common name; total cap./working cap.; hazard signs/NYSUFP&BC. Y/N									
Aboveground Piping Systems									
52. Are aboveground tanks/piping protected from atmospheric corrosion [§598.9(e)] & §599.13(c)(1)? Corrosion resistant eq; non-metallic cladding; paint; equivalent. Y/N (not corrosion protected)									
53. Does aboveground piping > 2" diameter have welded or flanged connections, or is constructed of plastic-lined metal piping with flared-end connections [§599.13(c)]? Y/N/X									
54. Piping in contact with soil is protected from corrosion [§599.13(b)] Y/N/X/1 (improper design)/2 (not isolated from tank)/3 (not isolated									
55. Automatic line leak detector for pressurized underground and on-ground piping [§598.6(c)(2)][§599.15(a)]?									
a. Is piping equipped with automatic line leak detector ? Y/N/X									
b. Is the leak detection system operable [§598.6(c)(2)? Y/N/X									
56.* Piping installed after Feb. 11, 1995 is properly labeled [§599.13(c)(4)]? Chemical name & placement at valves, pumps, switches, each side of wall, & each end of pipe. Y/N/X									
Pumps/valves are protected from leaks [§598.5(e)] using:									
57. Sealless or double seal pumps and valves OR Y/N/X									

58. Pump/valve maintenance program, OR Y/N/X									
59. Pump/valves have secondary containment. Y/N/X / 1(permeable) /2(compatible)									
Valves/Couplings Used in Transfers [§599.17(b)(2)]:									
60. Valves/couplings are located within transfer station? Y/N/X									
61. Dry disconnect valve provided on fill line? Y/N/X									
62. Check valve provided on fill line? Y/N/X									
63. Control valve provided for each tank connection through which hazardous substances flows? Y/N									

V. UNDERGROUND STORAGE TANKS/PIPING

Tank Volume if different than registered									
Date Installed									
64. Are vapor and groundwater monitoring wells labeled "Monitoring Well" or "Test Well - No Fill" & equipped with a locking cap? [§598.6(b)(3&4)] Y/X/1 (not labeled)/2 (not equipped or not locked)									
65. Are temporarily out-of-service tanks (>30 days) properly closed [§598.10(b)]? Y/N/X									
66. Are permanently out-of-service tanks properly closed [§598.10(c)]? Y/N/X									
67. Are USTs properly labeled [§599.3(a) & §596.2(h)]? Y/N/X									
68. Is UST protected against scouring [§599.3(b)]? Y/N/X									
69. Is UST protected against corrosion [§599.3(d)]? Y/N/X/1 (improper design)/									
70. Secondary containment [§598.5(a) & §599.4]:									
a. Tank has secondary containment? Double wall; vault; liner; or equiv. Y/N									
b. Construction satisfies permeability of 1×10^{-6} cm/sec to substance stored? Y/N									
c. Designed, installed, & operated to prevent Allow release to environment? Y/N									

d. Allows for detection & collection of releases or spills until material is removed? Y/N										
e. Constructed of, or lined with, materials compatible with substance stored and having sufficient strength & thickness to prevent failure? Y/N										
f. Foundation suitable to prevent failure due to settlement, compression, & uplift? Y/N										
71. Does tank have leak monitoring §598.6 (b)(2)]?,[§599.5]? Y/N (not installed)/										
72. High level alarm, high-level trip, or automatic bypass to overflow tank is installed [§599.17(b)(1)(I)]? Y/N/1 (not visible/audible at remote fill port)/ 2(operational)										
73. Vacuum and over pressurization [§599.18]? a. Vacuum and over pressurization equipment installed? Y/N										
b. Relief valves (safety, pressure, & vacuum) are properly labeled [§599.18(d)]? Y/N										
74. Valves for filling/emptying a tank are properly labeled for closed/open positions [§598.4(b)(8)]? Y/N										

<u>If no on-ground or underground piping, inspection is COMPLETED.</u>										
<u>On-Ground/Underground Piping:</u>										
75. Secondary Containment [§599.14]										
a. Piping has secondary containment? Double wall, vault, or liner Y/N/X										
b. Construction satisfies permeability of 1×10^{-6} cm/sec to sub. stored? Y/N										
c. Designed, installed, and operated to prevent release to environment? Y/N										
d. Allows for detection and collection of releases or spills until material is removed? Y/N										
e. Constructed of, or lined with, materials compatible with substance stored and having sufficient strength & thickness to prevent failure? Y/N										
f. Foundation suitable to prevent failure due to settlement, compression, and uplift? Y/N										
g. Sloped and operated to remove liquids resulting from leaks, spills, precipitation? Y/N										
76. Automatic line leak detector for pressurized underground and on-ground piping [§599.15(a)]?										
a. Is piping equipped with automatic line leak detector? Y/N/X										
b. Is the leak detection system operable? Y/N/X										
77. Leak detection systems for piping -										
a. Is piping equipped with a leak detection system [§599.15(b)]? Y/N										
b. Is the leak detection system operable [§599.14(a)(2)(vii)]? Y/N										
78. Piping in contact with soil is protected from corrosion [§599.13(b)] Y/N/X/1 (improper design)/2 (not isolated from tank)/3 (not isolated from stray current)										

