

Cobb County Fire Marshal's Office
Aboveground Fueling Tank—Plan Review Check Sheet
Flammable and Combustible Liquids
NFPA 30 & 30A, 2003 editions

This check sheet is for fueling operations from above ground tanks less than 6000 gallons. No aboveground tank shall be installed in an area zoned **residential**, see Cobb County Code 54-54.1. The following tanks need to be permitted and have plans reviewed by the Cobb County Fire Marshal's Office:

Class I Liquids (gasoline) – more than 25 gallons, AHJ
 Class II and III Liquids (diesel) – more than 60 gallons, CC 54-54.1

State Fire Marshal's Office needs to approve plans for any tank over 660 gallons, after approval from Cobb County, Chapter 120-3-11.03(1).

Job Name _____ **Date** _____

Address _____
 (Street) (Suite #) (City) (Zip)

Reviewer _____ **Tank Size in Gallons** _____ **Tank Contents** _____

ITEM	PASS	FAIL	N/A
Zoning —check zoning on Cobb GIS. No aboveground tanks to be installed in a residential area. 54-54.1(b)(2).			
Tank			
Tank is UL approved for aboveground (UL 142) 30-4.2.3.1			
Tank is painted a light reflective color 30-4.5.7.7(state mod)			
Tank storing gasoline shall be projectile resistant CC 54-54.1			
Top fill tank – fill pipe terminates within 6" of bottom of tank 30-4.3.2.5.4			
Tank has appropriate NFPA 704 or plain language markings, 30-4.6.2			
Secondary Containment –must have on site tightness test 3-5 psi 30-4.3.2.3.3 (9).			
Double wall tanks require overfill protection. Device shall stop filling automatically at 95% capacity. 30-4.3.2.3.3			
Double wall tanks require overfill alarm at 90% tank capacity. 30-4.3.2.3.3(5)			
Site Location			
Distance to:			
Building			
Disp. Device			
Lot Line			
Public Way			
Tanks			
Protected Tanks	5	0	15
FR Tanks	25	25	50
Other Tanks	50	50	100
30A-4.3.2.4			
30A-4.3.2.6 At fleet vehicle motor fuel dispensing facilities, no minimum separation shall be required between the dispensing device and a tank in a vault, protected tank, or a fire-resistant tank.			
Tank secured on reinforced concrete, 6" – 8" 30-4.3.1.1			
Tank is above max. flood stage by 70% 30-4.3.2.6			
Tank supports min. 2 hr rated or less than 12" at lowest point 30-4.3.1.3			
Vehicle Impact Protection —30-4.3.2.7, see Section 312, 2006 International Fire Code for installation details.			
Tank enclosed with chain link fence with secured gate – 6' high and 10' min. from tank or perimeter security fence. 30A-4.3.7.1			
Delivery vehicle separated from tank min. 25'. <i>Except.</i> 1. No min. if gravity filled. 2. Reduce to 15' for class II and III. 30A-9.2.2.2			

Fueling Dispenser	PASS	FAIL	N/A
Emergency cutoff – clearly identified and easily accessible, min. 20’, max. 100’ from dispenser 30A-6.7			
Dispensing hoses shall have break away feature 30A-6.5.2			
Warning signs – “WARNING, No Smoking, Stop Motor” 30A-9.2.5.4 and State Modifications			
Fire extinguisher – 80BC max. 30’ 30A-9.2.5.2 and State mods			
Dispenser located on tank requires UL 2085 tank. 30A-4.3.2.4			
Dispensing nozzles shall be automatic closing for Class I Liquids 30A-6.6.1			
Diking			
Secondary containment type-tank, diking not required if: not > 12,000gals., spill container on fill pipe, alarm that sounds at 90%, and auto shutoff at 95%, monitor interstitial space, 30-4.3.2.3.3			
ALL aboveground tanks – ground slopes away from building for 50’, slope not less than 1% AHJ			
Single walled tanks – impounding or diking system required. 30-4.3.2.3.2			
Ventilation			
Normal vent – pipe diameter never less than 1 ¼” inside dia. 30-4.2.5.1			
Class I liquids – vents vapor tight 30-4.2.5.2.3. Not less than 12’ above ground level, at least 5’ from building openings 30-5.7.1.1			
Class II and III liquids – NFPA does not give distances for vents, use class I distances as a guide.			
Emergency relief for all spaces 30-4.2.5.2.1			
Service stations inside buildings, see 30A –7.3.6			
Farms and Remote Sites see Chapter 13 of 30A			