

Cobb County Fire Marshal's Office
Plan Review Check Sheet—Underground Tank
NFPA 30, 2003 Edition

The State Fire Marshal's Office has final approval of all underground tanks. Cobb County Fire Marshal's Office shall approve plans prior to going to State Fire Marshal.

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).			
Plans must have the seal and Georgia registration number of the drafting architect or engineer. 120-3-11.03(1)			
Site Location			
Min. 1 ft. from basement wall or pit, min. 3 ft. from property line. 30-4.3.3.1			
Tank set on firm foundation surrounded by a min. 6 in. non-corrosive inert material. 30-4.3.3.2.1			
No traffic—covered min. 2 ft. of earth or min. 1 ft. earth and slab of reinforced concrete min. 4 in. thick. 30-4.3.3.2.2			
Subject to traffic—min. 3 ft. of earth, or 18 in. well tamped earth plus either 6 in. reinforced concrete or 8 in. asphaltic concrete. Concrete or asphalt extends min. 1 ft. beyond tank. 30-4.3.3.2.2			
More than 70% below max. flood stage, tank shall be anchored. 30-4.3.3.5.1			
Emergency power cut-off switch, all dispensers, 20 – 100 ft. 30A-6.7			
Fire extinguisher—40BC max. 30 ft OR 80BC max. 100 ft. 30A-9.2.5.2			
Tank			
Must meet UL 1316 30A-4.2.3.1.1(3)			
Fuel fill pipe terminates within 6 in. of tank bottom. 30-4.3.3.4.4			
Cathodic protection or corrosion listed material. 30-4.2.6.1.1			
Leak detection			
Piping			
No traffic—covered min. 6 in. compacted backfill material. 30-5.5.5.3			
Subject to traffic—min. 6 in. compact backfill, and covered with min. 18 in. compact backfill material and pavement. 30-5.5.5.2			
Pipe separation same trench – max. 9 in. needed. 30-5.5.5.3 and 5.5.5.4			
2 or more levels of piping in same trench – separated by min. 6 in. well compacted backfill. 30-5.5.5.5			
Ventilation			
Higher than fill pipe, and min. 12 ft. above ground. 30-5.7.2.1			
Min. 5 ft from building openings, and min. 15 ft from power vent. air intake. 30-5.7.2.1			
Vent capacity – min. 1 ¼ in (table 4.3.4.2.1)			
Overfill Protection —Automatic shutoff at 95% or alarm at 90% or alert the transfer operator at 90% by restricting the flow. 30-4.6.1.4			
Hazardous Identification 30-4.6.2.1			
Tank and Connection Tightness Test 30-4.4.2 Results need to be sent to the Cobb County Fire Marshal' Office.			

