State of California
AIR RESOURCES BOARD

Executive Order G-70-158

Certification of
San Luis Tank & Piping Construction Company, Incorporated
Aboveground Tank Filling/Dispensing Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to California Health and Safety Code sections 39600, 39601, and 41954, certification procedures for systems designed to control gasoline vapor emissions displaced during the filling of service station storage tanks ("Phase I vapor recovery systems") and for systems designed to control gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations", amended December 4, 1981, (the "Certification Procedures"),and incorporated by reference in Title 17, California Code of Regulations section 94001;

WHEREAS, the Board has established, pursuant to California Health and Safety Code sections 39600, 39601, and 41954, test procedures to determine compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations",amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Title 17, California Code of Regulations section 94000;

WHEREAS, San Luis Tank & Piping Construction Company, Incorporated, has applied for certification of its insulated/diked aboveground gasoline storage tank vapor recovery system for use in balance Phase I and Phase II operations;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Certification Procedures Sections I through VII; and

WHEREAS, I, James D. Boyd, California Air Resources Board Executive Officer, have determined that the San Luis Tank & Piping Construction Company, Incorporated, insulated/diked aboveground storage tank vapor recovery systems, when used with ARB Certified Phase I and Phase II balance vapor recovery components, conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that this certification applies to the San Luis Tank & Piping Construction Company, Incorporated, insulated/diked aboveground gasoline storage tank vapor recovery systems. The systems certified by this order may be used on single product tanks between 300 and 12,000 gallons total capacity which utilize the same geometric configuration and design shown in Exhibit 1, attached.

IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94007 of Title 17, California Code of Regulations.

IT IS FURTHER ORDERED that the components and piping configuration used to connect the cargo truck bulk delivery line and vapor return line to the storage tank fill line and vapor recovery line shall be consistent with Air Resources Board Executive Order G-70-102 series or Executive Order G-70-142 series and that the liquid leak rate upon disconnecting the delivery line shall be no more than 10 ml per disconnect computed from the average of three disconnect operations.

IT IS FURTHER ORDERED that the Phase II coaxial hose be limited to the length necessary to ensure that there will be no low point liquid traps in the vapor hose during normal dispensing. The hose configuration should be such that any condensate or spit-back collected in the vapor hose will drain either into the vehicle fuel tank being filled or the aboveground storage tank.

IT IS FURTHER ORDERED that an Air Resource Board certified P/V valve shall be installed on the tank vent and that the valve have a rated pressure relief setting of no less then 2.5 inches of water column gage. The installed P/V valve shall extend to a minimum height of 12 feet above grade.

IT IS FURTHER ORDERED that Air Resources Board certified Phase I components from Exhibits 1 through 3 of Executive Order G-70-97-A, Executive Order G-70-102 series and G-70-142 series and certified balance system Phase II components from Executive Order G-70 series are to be used on the system.

IT IS FURTHER ORDERED that the general exterior of the storage tanks be painted white.

IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district with jurisdiction over the location where the system is installed, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the tank and associated piping and other equipment not specifically listed as approved Phase I equipment in Exhibits 1 through 3 of Executive Order G-70-97-A, Executive Order G-70-102 series or G-70-142 series nor specifically listed as approved Phase II equipment in Executive Order G-70 series shall comply with the rules and regulations of the local fire officials with jurisdiction over the location where the system is installed.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the Executive Officer or his or her designee.

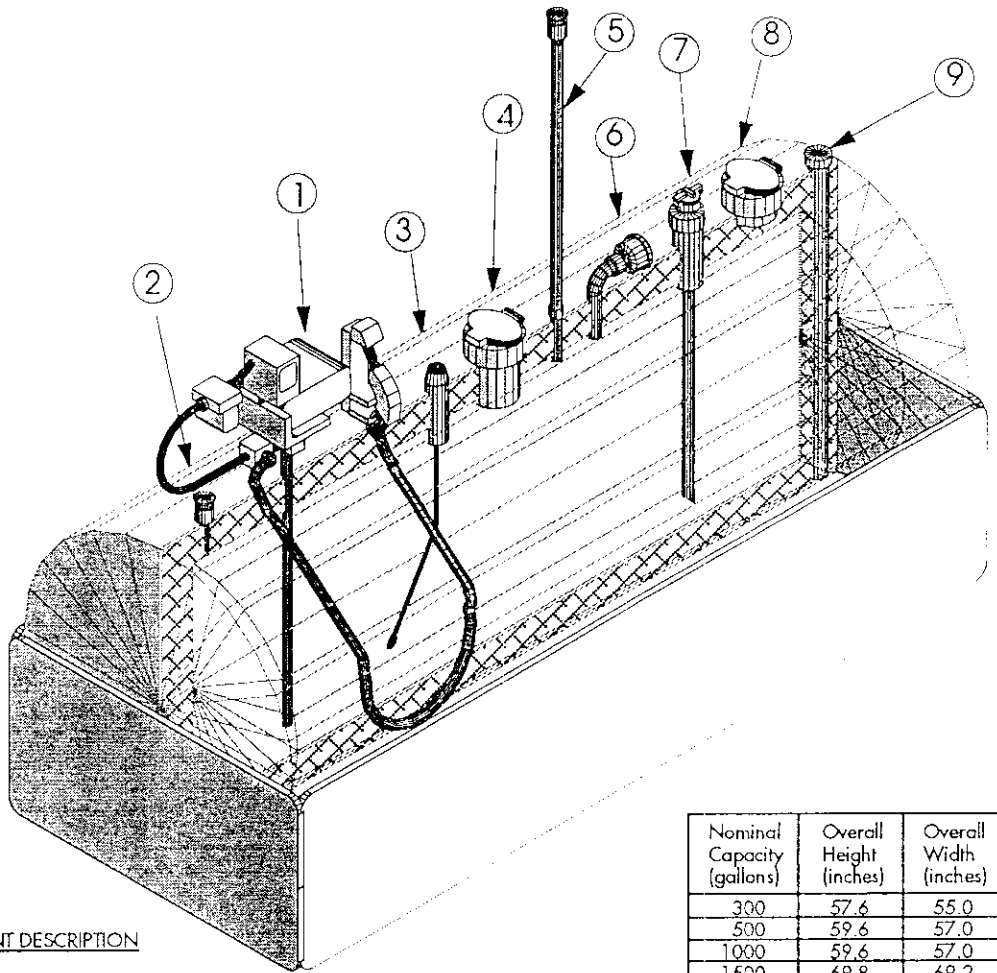
Executed this 29th day of March 1994 at Sacramento, California.

James D. Boyd
Executive Officer

Exhibit 1

Executive Order G-70-158

San Luis Tank & Piping Construction Company, Incorporated
Aboveground Tank Filling/Dispensing Vapor Recovery System



COMPONENT DESCRIPTION

1. Fuel dispenser with Phase II vapor recovery
2. Normal vent (Dike)
3. Level gage
4. Emergency vent (Primary Tank)
5. Normal vent (Primary Tank)
6. Phase I vapor recovery adaptor and cap
7. Fill adaptor and cap
8. Emergency vent (Dike)
9. Dike monitor tube

Nominal Capacity (gallons)	Overall Height (inches)	Overall Width (inches)	Overall Length (inches)
300	57.6	55.0	63.0
500	59.6	57.0	87.0
1000	59.6	57.0	157.0
1500	69.8	69.2	157.0
2000	91.1	88.5	121.0
3000	91.4	88.5	171.0
4000	93.5	88.5	227.0
5000	101.0	96.0	230.0
6000	100.6	95.6	278.0
8000	100.6	95.6	362.5
10000	119.5	114.5	302.0
12000	122.0	116.0	350.0

Notes:

See Executive Order G-70-97-A (Exhibits 1, 2 & 3), Executive Order G-70-102-A (Exhibits 1 & 2), and Executive Order G-70-142-A (Exhibits 1 & 2) for a listing of ARB-certified Phase I two-point and coaxial vapor recovery equipment and components which may be used.

See Executive Order G-70- series for ARB-certified Phase II balance system vapor recovery equipment and components which may be used.

There must be a minimum of four inches of proprietary insulating material on the exterior surface of the primary tank.